

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183204 - SW-846 3546

Blank (B183204-BLK1)

Prepared: 08/03/17 Analyzed: 08/04/17

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	2.14		mg/Kg wet	3.33		64.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.15		mg/Kg wet	3.33		64.4	30-130			
Surrogate: p-Terphenyl-d14	2.52		mg/Kg wet	3.33		75.7	30-130			

LCS (B183204-BS1)

Prepared: 08/03/17 Analyzed: 08/04/17

Acenaphthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140			
Acenaphthylene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140			
Anthracene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140			
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Benzo(a)pyrene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140			
Benzo(g,h,i)perylene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
Benzo(k)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140			
Chrysene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Dibenz(a,h)anthracene	0.917	0.17	mg/Kg wet	1.67		55.0	40-140			
Fluoranthene	1.03	0.17	mg/Kg wet	1.67		62.0	40-140			
Fluorene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Indeno(1,2,3-cd)pyrene	0.941	0.17	mg/Kg wet	1.67		56.5	40-140			
2-Methylnaphthalene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140			
Naphthalene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140			
Phenanthrene	1.09	0.17	mg/Kg wet	1.67		65.4	40-140			
Pyrene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Surrogate: Nitrobenzene-d5	2.64		mg/Kg wet	3.33		79.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.63		mg/Kg wet	3.33		78.9	30-130			
Surrogate: p-Terphenyl-d14	2.55		mg/Kg wet	3.33		76.5	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183204 - SW-846 3546										
LCS Dup (B183204-BSD1)					Prepared: 08/03/17 Analyzed: 08/04/17					
Acenaphthene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140	8.39	30	
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.1	40-140	10.1	30	
Anthracene	1.01	0.17	mg/Kg wet	1.67		60.9	40-140	6.27	30	
Benzo(a)anthracene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	6.55	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	4.07	30	
Benzo(b)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	5.53	30	
Benzo(g,h,i)perylene	0.891	0.17	mg/Kg wet	1.67		53.5	40-140	4.68	30	
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.8	40-140	2.69	30	
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	5.47	30	
Dibenz(a,h)anthracene	0.882	0.17	mg/Kg wet	1.67		52.9	40-140	3.89	30	
Fluoranthene	0.965	0.17	mg/Kg wet	1.67		57.9	40-140	6.90	30	
Fluorene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	11.1	30	
Indeno(1,2,3-cd)pyrene	0.869	0.17	mg/Kg wet	1.67		52.1	40-140	7.96	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.7	40-140	13.3	30	
Naphthalene	0.964	0.17	mg/Kg wet	1.67		57.8	40-140	14.1	30	
Phenanthrene	1.01	0.17	mg/Kg wet	1.67		60.7	40-140	7.46	30	
Pyrene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140	6.35	30	
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		68.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.4	30-130			
Surrogate: p-Terphenyl-d14	2.40		mg/Kg wet	3.33		72.1	30-130			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183285 - SW-846 3540C
Blank (B183285-BLK1)

Prepared: 08/03/17 Analyzed: 08/16/17

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.200		90.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		81.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.3	30-150			

LCS (B183285-BS1)

Prepared: 08/03/17 Analyzed: 08/16/17

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.2	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.0	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.6	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.5	40-140			
Surrogate: Decachlorobiphenyl	0.211		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.190		mg/Kg wet	0.200		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg wet	0.200		95.1	30-150			

LCS Dup (B183285-BSD1)

Prepared: 08/03/17 Analyzed: 08/16/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.5	40-140	5.64	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140	3.25	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		92.1	40-140	2.69	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.4	40-140	2.25	30	
Surrogate: Decachlorobiphenyl	0.223		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg wet	0.200		98.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.200		99.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183285 - SW-846 3540C

Matrix Spike (B183285-MS1)

Source: 17G1257-02

Prepared: 08/03/17 Analyzed: 08/16/17

Aroclor-1016	0.24	0.12	mg/Kg dry	0.247	ND	98.4	40-140			
Aroclor-1016 [2C]	0.29	0.12	mg/Kg dry	0.247	ND	117	40-140			
Aroclor-1260	0.29	0.12	mg/Kg dry	0.247	ND	116	40-140			
Aroclor-1260 [2C]	0.28	0.12	mg/Kg dry	0.247	ND	115	40-140			
Surrogate: Decachlorobiphenyl	0.252		mg/Kg dry	0.247		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.280		mg/Kg dry	0.247		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.226		mg/Kg dry	0.247		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.255		mg/Kg dry	0.247		103	30-150			

Matrix Spike Dup (B183285-MSD1)

Source: 17G1257-02

Prepared: 08/03/17 Analyzed: 08/16/17

Aroclor-1016	0.24	0.12	mg/Kg dry	0.247	ND	96.1	40-140	2.37	50	
Aroclor-1016 [2C]	0.25	0.12	mg/Kg dry	0.247	ND	101	40-140	15.0	50	
Aroclor-1260	0.21	0.12	mg/Kg dry	0.247	ND	84.4	40-140	31.6	50	
Aroclor-1260 [2C]	0.22	0.12	mg/Kg dry	0.247	ND	88.0	40-140	26.8	50	
Surrogate: Decachlorobiphenyl	0.212		mg/Kg dry	0.247		85.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.221		mg/Kg dry	0.247		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg dry	0.247		78.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.215		mg/Kg dry	0.247		87.0	30-150			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183209 - SW-846 3546										
Blank (B183209-BLK1)				Prepared & Analyzed: 08/03/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.17		mg/Kg wet	3.33		65.2	50-150			
LCS (B183209-BS1)				Prepared & Analyzed: 08/03/17						
CT ETPH	21.7	10	mg/Kg wet	33.3		65.2	60-120			
Surrogate: o-Terphenyl	2.25		mg/Kg wet	3.33		67.5	50-150			
LCS Dup (B183209-BSD1)				Prepared & Analyzed: 08/03/17						
CT ETPH	22.9	10	mg/Kg wet	33.3		68.8	60-120	5.37	30	
Surrogate: o-Terphenyl	2.32		mg/Kg wet	3.33		69.5	50-150			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183217 - % Solids
Duplicate (B183217-DUP7)
Source: 17G1257-01

Prepared: 08/03/17 Analyzed: 08/04/17

% Solids	84.1		% Wt		86.3			2.58	20	
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Duplicate (B183217-DUP8)
Source: 17G1257-02

Prepared: 08/03/17 Analyzed: 08/04/17

% Solids	82.5		% Wt		80.9			1.96	20	
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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC7-SO-14-1***SW-846 8082A*

Lab Sample ID: 17G1257-03 Date(s) Analyzed: 08/16/2017 08/16/2017
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.12	8.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-14-2**Lab Sample ID: 17G1257-04 Date(s) Analyzed: 08/17/2017 08/17/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	6.0	
	2	0.000	-0.030	0.030	6.0	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-14-3A**Lab Sample ID: 17G1257-05 Date(s) Analyzed: 08/17/2017 08/17/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.4	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC7-SO-13-1

Lab Sample ID: 17G1257-07 Date(s) Analyzed: 08/17/2017 08/17/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.0	
	2	0.000	-0.030	0.030	8.8	2.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-13-2**Lab Sample ID: 17G1257-08 Date(s) Analyzed: 08/17/2017 08/17/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	52	
	2	0.000	-0.030	0.030	52	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-13-3**Lab Sample ID: 17G1257-09 Date(s) Analyzed: 08/17/2017 08/17/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	58	
	2	0.000	-0.030	0.030	57	1.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-13-4**Lab Sample ID: 17G1257-10 Date(s) Analyzed: 08/16/2017 08/16/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.25	12.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-22-1**Lab Sample ID: 17G1257-19 Date(s) Analyzed: 08/16/2017 08/16/2017

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

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

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

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.
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.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

CERTIFICATIONS
Certified Analyses included in this Report

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

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

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



con-test[®]
ANALYTICAL LABORATORY

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume / Will Sirotak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC7-SO-14-3B	7/27/17	14:14		X	S	U
12	WS-AOC7-SO-24-1		14:30				
13	WS-AOC7-SO-24-2		14:31				
14	WS-AOC7-SO-24-3		14:32				
15	WS-AOC7-SO-21-1		14:33				
16	WS-AOC7-SO-21-2		14:34				
17	WS-AOC7-SO-21-3		14:35				
18	WS-AOC7-SO-21-4		14:36				
19	WS-AOC7-SO-22-1		14:37				
20	WS-AOC7-SO-22-2		14:38				

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) <i>[Signature]</i>	Date/Time: 7/27/17	Detection Limit Requirements MA CT Other:	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited
Received by (signature) <i>[Signature]</i>	Date/Time: 7/27/17 15:35		
Relinquished by (signature) <i>[Signature]</i>	Date/Time: 7/27/17 7:45		
Received by (signature) <i>[Signature]</i>	Date/Time: 7/27/17 19:05		
Relinquished by (signature) <i>[Signature]</i>	Date/Time:		
Received by (signature)	Date/Time:		

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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



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ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson
Received By Jm Date 7/27/17 Time 1945
How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____
Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.0, 2.3, 2.1
By Blank # _____ Actual Temp - _____
Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? _____
Are there Rushes? N/A Who was notified? _____
Are there Short Holds? N/A Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb /Clear
Meoh-		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\A080417\A0804042.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804042.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	496930	540759	-8
c - 10	1.43	504684	540759	-7
c - 12	2.16	531774	540759	-2
c - 14	2.84	548652	540759	1
c - 16	3.44	561658	540759	4
c - 18	4.02	556185	540759	3
o-Terphenyl	4.30	591043	540759	
c - 20	4.63	564764	540759	4
c - 22	5.15	571232	540759	6
c - 24	5.60	531546	540759	-2
c - 26	6.00	557639	540759	3
c - 28	6.36	545631	540759	1
c - 30	6.69	541457	540759	0
c - 32	7.00	529841	540759	-2
c - 34	7.30	534051	540759	-1
c - 36	7.58	535342	540759	-1

* One compound allowed %D <= 50%

Samples

17G1258-10
 17G1258-11
 17G1188-01
 17G1188-02
 17G1188-03

D:\HPCHEM\1\DATA\A080417\A0804078.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804078.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	451447	495950	-9
c - 10	1.43	453087	495950	-9
c - 12	2.16	479235	495950	-3
c - 14	2.84	491947	495950	-1
c - 16	3.44	506893	495950	2
c - 18	4.02	504487	495950	2
o-Terphenyl	4.31	554881	495950	
c - 20	4.63	517031	495950	4
c - 22	5.15	526767	495950	6
c - 24	5.60	494638	495950	0
c - 26	5.99	520797	495950	5
c - 28	6.35	509017	495950	3
c - 30	6.69	504152	495950	2
c - 32	7.00	490587	495950	-1
c - 34	7.29	493940	495950	0
c - 36	7.58	495218	495950	0

* One compound allowed %D <= 50%

Samples

17G1257-13
 17G1257-18
 17G1254-18
 17G1169-17
 17G1075-10@5X
 17G1075-13@5X
 17G1172-11
 17G1074-19
 17G1074-06@10X
 17G1074-09@10X
 17G1077-17RE1@20X

D:\HPCHEM\1\DATA\A080417.SEC\A0804079.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804079.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.14	412622	444472	-7
c - 10	1.50	420598	444472	-5
c - 12	2.22	438402	444472	-1
c - 14	2.88	451044	444472	1
c - 16	3.48	459256	444472	3
c - 18	4.05	452050	444472	2
o-Terphenyl	4.35	491812	444472	
c - 20	4.66	458504	444472	3
c - 22	5.17	461579	444472	4
c - 24	5.61	429319	444472	-3
c - 26	6.01	451685	444472	2
c - 28	6.36	450715	444472	1
c - 30	6.70	447938	444472	1
c - 32	7.00	440516	444472	-1
c - 34	7.29	445571	444472	0
c - 36	7.57	447287	444472	1

* One compound allowed %D <= 50%

Samples

17G1254-08@20X
 17G1254-13@10X
 17G1169-09@5X
 17G1172-03@20X
 17G1172-07@10X
 17G1257-01@5X
 17G1257-09@10X
 17G1257-11@10X
 17G1257-14@5X
 17G1257-17@10X
 17G1255-03@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: 17G1257

Laboratory Sample ID(s):

17G1257-01 thru 17G1257-20

Sample Date(s):

07/27/2017

List RCP Methods Used:

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

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

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

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

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

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

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



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: 17G1257

Laboratory Sample ID(s):

17G1257-01 thru 17G1257-20

Sample Date(s):

07/27/2017

List RCP Methods Used:

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

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

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

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

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

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

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

August 16, 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: 17G1258

Enclosed are results of analyses for samples received by the laboratory on July 27, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 8/16/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1258

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-AOC7-SO-22-3	17G1258-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-22-4	17G1258-02	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-23-1	17G1258-03	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-23-2	17G1258-04	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C	
WS-AOC7-SO-23-3	17G1258-05	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C	
Trip Blank	17G1258-06	Trip Blank Soil		SW-846 8260C	
WS-AOC13-SO-DUP-28	17G1258-07	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-DUP-29	17G1258-08	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 7471B	
WS-AOC7-SO-DUP-30	17G1258-09	Soil		SM 2540G SW-846 8260C	
EB17	17G1258-10	Equipment Blank Water		CTDEP ETPH SW-846 6020A-B SW-846 7470A SW-846 8082A SW-846 8270D	
EB18	17G1258-11	Equipment Blank Water		CTDEP ETPH SW-846 6020A-B SW-846 7470A SW-846 8082A SW-846 8270D	

CASE NARRATIVE SUMMARY

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

REVISED REPORT - No percent solids volume submitted on sample WS-AOC70SO-DUP-30. Result for this sample used from sample WS-AOC7SO-9-3-B.

For method 8260, Sample 17G1258-04 was run with the methanol vial due to sample matrix.

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**

17G1258-05[WS-AOC7-SO-23-3], 17G1258-08[WS-AOC7-SO-DUP-29]

SW-846 8082A**Qualifications:****S-12**

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

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

17G1258-10[EB17]

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:**Bromomethane**

B183194-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:**2,2-Dichloropropane**

17G1258-04[WS-AOC7-SO-23-2], B183194-BLK1, B183194-BS1

Methyl tert-Butyl Ether (MTBE)

17G1258-09[WS-AOC7-SO-DUP-30], B182955-BLK1, B182955-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

17G1258-09[WS-AOC7-SO-DUP-30]

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:**1,2-Dibromo-3-chloropropane (DBP)**

17G1258-09[WS-AOC7-SO-DUP-30], B182955-BLK1, B182955-BS1

2,2-Dichloropropane

17G1258-04[WS-AOC7-SO-23-2], B183194-BLK1, B183194-BS1

Methyl tert-Butyl Ether (MTBE)

17G1258-09[WS-AOC7-SO-DUP-30], B182955-BLK1, B182955-BS1

trans-1,4-Dichloro-2-butene

17G1258-04[WS-AOC7-SO-23-2], B183194-BLK1, B183194-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**

17G1258-06[Trip Blank], B183261-BLK1, B183261-BS1

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

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:**Bromomethane**

B183194-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:**1,2,4-Trichlorobenzene**

17G1258-10[EB17], 17G1258-11[EB18], B183253-BLK1, B183253-BS1, B183253-BSD1

Hexachlorobutadiene

17G1258-10[EB17], 17G1258-11[EB18], B183253-BLK1, B183253-BS1, B183253-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.

Requested reporting limit not met.

Analyte & Samples(s) Qualified:**Bis(2-Ethylhexyl)phthalate**

17G1258-10[EB17], 17G1258-11[EB18]

Hexachlorobenzene

17G1258-10[EB17], 17G1258-11[EB18]

Pentachlorophenol

17G1258-10[EB17], 17G1258-11[EB18]

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**

17G1258-10[EB17], 17G1258-11[EB18], B183253-BLK1, B183253-BS1, B183253-BSD1

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

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

SW-846 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.

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.

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-3

Sampled: 7/27/2017 14:39

Sample ID: 17G1258-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.8	30-150							
Decachlorobiphenyl [2]	92.0	30-150							
Tetrachloro-m-xylene [1]	86.1	30-150							
Tetrachloro-m-xylene [2]	92.9	30-150							

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-3

Sampled: 7/27/2017 14:39

Sample ID: 17G1258-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	79	56	mg/Kg dry	5		CTDEP ETPH	8/3/17	8/6/17 23:48	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	86.5		50-150					8/6/17 23:48	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-3

Sampled: 7/27/2017 14:39

Sample ID: 17G1258-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-4

Sampled: 7/27/2017 14:40

Sample ID: 17G1258-02

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	8/4/17	8/15/17 4:18	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.2	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	85.2	30-150							
Tetrachloro-m-xylene [2]	90.3	30-150							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-4

Sampled: 7/27/2017 14:40

Sample ID: 17G1258-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	77	57	mg/Kg dry	5		CTDEP ETPH	8/3/17	8/7/17 0:05	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	70.3		50-150					8/7/17 0:05	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-4

Sampled: 7/27/2017 14:40

Sample ID: 17G1258-02

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	87.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-1

Sampled: 7/27/2017 14:41

Sample ID: 17G1258-03

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	8/4/17	8/15/17 4:35	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.0	30-150							
Decachlorobiphenyl [2]	82.8	30-150							
Tetrachloro-m-xylene [1]	91.7	30-150							
Tetrachloro-m-xylene [2]	98.8	30-150							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-1

Sampled: 7/27/2017 14:41

Sample ID: 17G1258-03

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	93.5		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

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	1.9	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Acrylonitrile	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Benzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromodichloromethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromoform	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromomethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2-Butanone (MEK)	ND	0.78	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
n-Butylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
sec-Butylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
tert-Butylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Carbon Disulfide	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Carbon Tetrachloride	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chlorodibromomethane	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chloroethane	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chloroform	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chloromethane	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2-Chlorotoluene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
4-Chlorotoluene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dibromoethane (EDB)	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Dibromomethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,3-Dichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,4-Dichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
trans-1,4-Dichloro-2-butene	ND	0.078	mg/Kg dry	1	V-05	SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1-Dichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1-Dichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
cis-1,2-Dichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
trans-1,2-Dichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dichloropropane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,3-Dichloropropane	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2,2-Dichloropropane	ND	0.039	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1-Dichloropropene	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
cis-1,3-Dichloropropene	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
trans-1,3-Dichloropropene	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Ethylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Hexachlorobutadiene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2-Hexanone (MBK)	ND	0.39	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Isopropylbenzene (Cumene)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
p-Isopropyltoluene (p-Cymene)	0.057	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

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	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Methylene Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
4-Methyl-2-pentanone (MIBK)	ND	0.39	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Naphthalene	0.095	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
n-Propylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Styrene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,1,2-Tetrachloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,2,2-Tetrachloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Tetrachloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Tetrahydrofuran	ND	0.39	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Toluene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,3-Trichlorobenzene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,4-Trichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,1-Trichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,2-Trichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Trichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Trichlorofluoromethane (Freon 11)	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,3-Trichloropropane	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,4-Trimethylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,3,5-Trimethylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Vinyl Chloride	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
m+p Xylene	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
o-Xylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	96.4	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	102	70-130							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.3	30-150							
Decachlorobiphenyl [2]	80.7	30-150							
Tetrachloro-m-xylene [1]	80.5	30-150							
Tetrachloro-m-xylene [2]	87.6	30-150							

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	39	11	mg/Kg dry	1		CTDEP ETPH	8/3/17	8/7/17 0:05	SCS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
o-Terphenyl	72.9	50-150						8/7/17 0:05	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-3

Sampled: 7/27/2017 14:43

Sample ID: 17G1258-05

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	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.1	30-150							
Decachlorobiphenyl [2]	88.3	30-150							
Tetrachloro-m-xylene [1]	70.7	30-150							
Tetrachloro-m-xylene [2]	80.1	30-150							

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-3

Sampled: 7/27/2017 14:43

Sample ID: 17G1258-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1000	350	mg/Kg dry	20		CTDEP ETPH	8/3/17	8/7/17 0:23	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/7/17 0:23	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-3

Sampled: 7/27/2017 14:43

Sample ID: 17G1258-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: Trip Blank

Sampled: 7/27/2017 15:20

Sample ID: 17G1258-06

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	8/3/17	8/3/17 7:15	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: Trip Blank

Sampled: 7/27/2017 15:20

Sample ID: 17G1258-06

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	8/3/17	8/3/17 7:15	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	101	70-130							
Toluene-d8	105	70-130							
4-Bromofluorobenzene	102	70-130							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC13-SO-DUP-28

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-07

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	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1221 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1232 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1242 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1248 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1254 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1260 [1]	3.5	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1262 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1268 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.4	30-150							
Decachlorobiphenyl [2]	75.5	30-150							
Tetrachloro-m-xylene [1]	80.6	30-150							
Tetrachloro-m-xylene [2]	88.1	30-150							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC13-SO-DUP-28

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-07

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	94.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-29

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3500	1100	mg/Kg dry	100		CTDEP ETPH	8/3/17	8/6/17 23:13	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/6/17 23:13	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-29

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Arsenic	3.3	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Barium	31	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Cadmium	0.37	0.26	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Chromium	16	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Copper	70	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Lead	31	0.78	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	8/3/17	8/5/17 13:20	TJK
Nickel	46	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Selenium	ND	5.2	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Silver	ND	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Vanadium	590	1.0	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Zinc	67	1.0	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-29

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-08

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	92.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-30

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-09

Sample Matrix: Soil

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	3.6	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Acrylonitrile	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Benzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromodichloromethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromoform	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromomethane	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2-Butanone (MEK)	ND	1.5	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
n-Butylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
sec-Butylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
tert-Butylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Carbon Disulfide	ND	0.22	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Carbon Tetrachloride	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chlorodibromomethane	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chloroethane	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chloroform	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chloromethane	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2-Chlorotoluene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
4-Chlorotoluene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.36	mg/Kg dry	2	V-05	SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dibromoethane (EDB)	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Dibromomethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,3-Dichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,4-Dichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
trans-1,4-Dichloro-2-butene	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1-Dichloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dichloroethane	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1-Dichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
cis-1,2-Dichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
trans-1,2-Dichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dichloropropane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,3-Dichloropropane	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2,2-Dichloropropane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1-Dichloropropene	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
cis-1,3-Dichloropropene	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
trans-1,3-Dichloropropene	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Ethylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Hexachlorobutadiene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2-Hexanone (MBK)	ND	0.73	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Isopropylbenzene (Cumene)	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-30

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-09

Sample Matrix: Soil

Sample Flags: RL-11

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	0.073	mg/Kg dry	2	L-03, V-05	SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Methylene Chloride	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.73	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Naphthalene	3.9	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
n-Propylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Styrene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,1,2-Tetrachloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Tetrachloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Tetrahydrofuran	ND	0.73	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Toluene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,3-Trichlorobenzene	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,4-Trichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,1-Trichloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,2-Trichloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Trichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Trichlorofluoromethane (Freon 11)	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,3-Trichloropropane	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,4-Trimethylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,3,5-Trimethylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Vinyl Chloride	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
m+p Xylene	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
o-Xylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	88.0	70-130						8/4/17 23:59	
Toluene-d8	97.1	70-130						8/4/17 23:59	
4-Bromofluorobenzene	97.2	70-130						8/4/17 23:59	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-30

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-09

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	70.6		% Wt	1		SM 2540G	8/4/17	8/16/17 14:53	JMG

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/3/17	8/7/17 12:26	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/3/17	8/5/17 13:37	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	44.2	15-110							
Phenol-d6	29.3	15-110							
Nitrobenzene-d5	78.9	30-130							
Nitrobenzene-d5	81.0	30-130							
2-Fluorobiphenyl	88.4	30-130							
2-Fluorobiphenyl	76.0	30-130							
2,4,6-Tribromophenol	103	15-110							
p-Terphenyl-d14	100	30-130							
p-Terphenyl-d14	69.3	30-130							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1221 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1232 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1242 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1248 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1254 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1260 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1262 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	29.6	*	30-150		S-12		8/7/17	13:14	
Decachlorobiphenyl [2]	32.5		30-150				8/7/17	13:14	
Tetrachloro-m-xylene [1]	75.5		30-150				8/7/17	13:14	
Tetrachloro-m-xylene [2]	74.5		30-150				8/7/17	13:14	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/2/17	8/4/17 17:43	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	88.8		50-150					8/4/17 17:43	

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/1/17	8/2/17 14:37	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	8/4/17	8/5/17 11:46	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/3/17	8/7/17 12:54	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/3/17	8/5/17 14:00	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	41.9	15-110						8/5/17 14:00	
Phenol-d6	28.8	15-110						8/5/17 14:00	
Nitrobenzene-d5	79.4	30-130						8/5/17 14:00	
Nitrobenzene-d5	80.2	30-130						8/7/17 12:54	
2-Fluorobiphenyl	79.6	30-130						8/7/17 12:54	
2-Fluorobiphenyl	84.4	30-130						8/5/17 14:00	
2,4,6-Tribromophenol	92.9	15-110						8/5/17 14:00	
p-Terphenyl-d14	93.4	30-130						8/5/17 14:00	
p-Terphenyl-d14	69.9	30-130						8/7/17 12:54	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	40.0	30-150						8/7/17 13:27	
Decachlorobiphenyl [2]	46.3	30-150						8/7/17 13:27	
Tetrachloro-m-xylene [1]	83.1	30-150						8/7/17 13:27	
Tetrachloro-m-xylene [2]	78.5	30-150						8/7/17 13:27	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/2/17	8/4/17 18:01	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	95.9		50-150					8/4/17 18:01	

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/1/17	8/2/17 14:40	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	8/4/17	8/5/17 11:48	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD

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
17G1258-01 [WS-AOC7-SO-22-3]	B183276	30.0	1.00	08/03/17
17G1258-02 [WS-AOC7-SO-22-4]	B183276	30.0	1.00	08/03/17
17G1258-04 [WS-AOC7-SO-23-2]	B183276	30.0	1.00	08/03/17
17G1258-05 [WS-AOC7-SO-23-3]	B183276	30.0	1.00	08/03/17
17G1258-08 [WS-AOC7-SO-DUP-29]	B183276	30.0	1.00	08/03/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183110	1000	1.00	08/02/17
17G1258-11 [EB18]	B183110	1000	1.00	08/02/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1258-01 [WS-AOC7-SO-22-3]	B183313	08/04/17
17G1258-02 [WS-AOC7-SO-22-4]	B183313	08/04/17
17G1258-03 [WS-AOC7-SO-23-1]	B183313	08/04/17
17G1258-04 [WS-AOC7-SO-23-2]	B183313	08/04/17
17G1258-05 [WS-AOC7-SO-23-3]	B183313	08/04/17
17G1258-07 [WS-AOC13-SO-DUP-28]	B183313	08/04/17
17G1258-08 [WS-AOC7-SO-DUP-29]	B183313	08/04/17
17G1258-09 [WS-AOC7-SO-DUP-30]	B183313	08/04/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-08 [WS-AOC7-SO-DUP-29]	B183203	1.04	50.0	08/03/17

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183056	50.0	50.0	08/01/17
17G1258-11 [EB18]	B183056	50.0	50.0	08/01/17

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183199	6.00	6.00	08/04/17
17G1258-11 [EB18]	B183199	6.00	6.00	08/04/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-08 [WS-AOC7-SO-DUP-29]	B183214	0.606	50.0	08/03/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-01 [WS-AOC7-SO-22-3]	B183351	10.0	10.0	08/04/17
17G1258-02 [WS-AOC7-SO-22-4]	B183351	10.0	10.0	08/04/17
17G1258-03 [WS-AOC7-SO-23-1]	B183351	10.0	10.0	08/04/17
17G1258-04 [WS-AOC7-SO-23-2]	B183351	10.0	10.0	08/04/17
17G1258-05 [WS-AOC7-SO-23-3]	B183351	10.0	10.0	08/04/17
17G1258-07 [WS-AOC13-SO-DUP-28]	B183351	10.0	10.0	08/04/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183192	1020	10.0	08/03/17
17G1258-11 [EB18]	B183192	990	9.50	08/03/17

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
17G1258-09 [WS-AOC7-SO-DUP-30]	B182955	9.73	5.00	0.5	50	07/31/17

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
17G1258-04 [WS-AOC7-SO-23-2]	B183194	8.57	5.93	1	50	08/03/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-06 [Trip Blank]	B183261	5.00	10.0	08/03/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183253	1000	1.00	08/03/17
17G1258-11 [EB18]	B183253	1000	1.00	08/03/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183493	1000	1.00	08/03/17
17G1258-11 [EB18]	B183493	1000	1.00	08/03/17

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182955 - SW-846 5035
Blank (B182955-BLK1)

Prepared: 07/31/17 Analyzed: 08/04/17

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							V-05
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							L-03, V-05
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
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Batch B182955 - SW-846 5035
Blank (B182955-BLK1)

Prepared: 07/31/17 Analyzed: 08/04/17

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	0.0228		mg/Kg wet	0.0250		91.0	70-130			
Surrogate: Toluene-d8	0.0241		mg/Kg wet	0.0250		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0238		mg/Kg wet	0.0250		95.2	70-130			

LCS (B182955-BS1)

Prepared: 07/31/17 Analyzed: 08/04/17

Acetone	0.0838	0.057	mg/Kg wet	0.113		74.0	70-130			
Acrylonitrile	0.00938	0.0057	mg/Kg wet	0.0113		82.8	70-130			
Benzene	0.0109	0.0011	mg/Kg wet	0.0113		96.2	70-130			
Bromobenzene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
Bromodichloromethane	0.0114	0.0011	mg/Kg wet	0.0113		100	70-130			
Bromoform	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
Bromomethane	0.00953	0.0023	mg/Kg wet	0.0113		84.1	70-130			
2-Butanone (MEK)	0.0969	0.023	mg/Kg wet	0.113		85.5	70-130			
n-Butylbenzene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
sec-Butylbenzene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
tert-Butylbenzene	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
Carbon Disulfide	0.115	0.0034	mg/Kg wet	0.113		101	70-130			
Carbon Tetrachloride	0.0116	0.0011	mg/Kg wet	0.0113		103	70-130			
Chlorobenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Chlorodibromomethane	0.0121	0.00057	mg/Kg wet	0.0113		107	70-130			
Chloroethane	0.0145	0.0023	mg/Kg wet	0.0113		128	70-130			
Chloroform	0.0111	0.0023	mg/Kg wet	0.0113		98.1	70-130			
Chloromethane	0.0143	0.0023	mg/Kg wet	0.0113		126	70-130			
2-Chlorotoluene	0.00986	0.0011	mg/Kg wet	0.0113		87.0	70-130			
4-Chlorotoluene	0.0114	0.0011	mg/Kg wet	0.0113		101	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.00876	0.0057	mg/Kg wet	0.0113		77.3	70-130			V-05
1,2-Dibromoethane (EDB)	0.0120	0.00057	mg/Kg wet	0.0113		106	70-130			
Dibromomethane	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
1,2-Dichlorobenzene	0.0125	0.0011	mg/Kg wet	0.0113		111	70-130			
1,3-Dichlorobenzene	0.0123	0.0011	mg/Kg wet	0.0113		108	70-130			
1,4-Dichlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
trans-1,4-Dichloro-2-butene	0.0111	0.0023	mg/Kg wet	0.0113		97.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0119	0.0023	mg/Kg wet	0.0113		105	70-130			
1,1-Dichloroethane	0.00918	0.0011	mg/Kg wet	0.0113		81.0	70-130			
1,2-Dichloroethane	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
1,1-Dichloroethylene	0.0102	0.0011	mg/Kg wet	0.0113		89.8	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
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Batch B182955 - SW-846 5035

LCS (B182955-BS1)

Prepared: 07/31/17 Analyzed: 08/04/17

cis-1,2-Dichloroethylene	0.0106	0.0011	mg/Kg wet	0.0113		93.7	70-130			
trans-1,2-Dichloroethylene	0.0102	0.0011	mg/Kg wet	0.0113		89.9	70-130			
1,2-Dichloropropane	0.0111	0.0011	mg/Kg wet	0.0113		98.2	70-130			
1,3-Dichloropropane	0.0114	0.00057	mg/Kg wet	0.0113		101	70-130			
2,2-Dichloropropane	0.0113	0.0011	mg/Kg wet	0.0113		99.4	70-130			
1,1-Dichloropropene	0.0116	0.0023	mg/Kg wet	0.0113		102	70-130			
cis-1,3-Dichloropropene	0.0119	0.00057	mg/Kg wet	0.0113		105	70-130			
trans-1,3-Dichloropropene	0.0103	0.00057	mg/Kg wet	0.0113		90.8	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0129	0.0011	mg/Kg wet	0.0113		114	70-130			
2-Hexanone (MBK)	0.0934	0.011	mg/Kg wet	0.113		82.4	70-130			
Isopropylbenzene (Cumene)	0.0125	0.0011	mg/Kg wet	0.0113		111	70-130			
p-Isopropyltoluene (p-Cymene)	0.0121	0.0011	mg/Kg wet	0.0113		106	70-130			
Methyl tert-Butyl Ether (MTBE)	0.00683	0.0011	mg/Kg wet	0.0113		60.3	70-130	*		L-03, V-05
Methylene Chloride	0.00814	0.0057	mg/Kg wet	0.0113		71.8	70-130			
4-Methyl-2-pentanone (MIBK)	0.101	0.011	mg/Kg wet	0.113		89.2	70-130			
Naphthalene	0.0110	0.0023	mg/Kg wet	0.0113		96.8	70-130			
n-Propylbenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
Styrene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
1,1,1,2-Tetrachloroethane	0.0129	0.0011	mg/Kg wet	0.0113		114	70-130			
1,1,2,2-Tetrachloroethane	0.0121	0.00057	mg/Kg wet	0.0113		107	70-130			
Tetrachloroethylene	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
Tetrahydrofuran	0.00890	0.011	mg/Kg wet	0.0113		78.5	70-130			
Toluene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
1,2,3-Trichlorobenzene	0.0117	0.0057	mg/Kg wet	0.0113		103	70-130			
1,2,4-Trichlorobenzene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1-Trichloroethane	0.0111	0.0011	mg/Kg wet	0.0113		98.2	70-130			
1,1,2-Trichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
Trichloroethylene	0.0123	0.0011	mg/Kg wet	0.0113		109	70-130			
Trichlorofluoromethane (Freon 11)	0.0110	0.0023	mg/Kg wet	0.0113		97.2	70-130			
1,2,3-Trichloropropane	0.0120	0.0023	mg/Kg wet	0.0113		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0112	0.0011	mg/Kg wet	0.0113		99.0	70-130			
1,2,4-Trimethylbenzene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
1,3,5-Trimethylbenzene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Vinyl Chloride	0.0107	0.0023	mg/Kg wet	0.0113		94.4	70-130			
m+p Xylene	0.0251	0.0023	mg/Kg wet	0.0227		111	70-130			
o-Xylene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0255		mg/Kg wet	0.0283		90.1	70-130			
Surrogate: Toluene-d8	0.0276		mg/Kg wet	0.0283		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.0278		mg/Kg wet	0.0283		98.1	70-130			

Batch B183194 - SW-846 5035

Blank (B183194-BLK1)

Prepared: 08/03/17 Analyzed: 08/07/17

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							

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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 B183194 - SW-846 5035										
Blank (B183194-BLK1)				Prepared: 08/03/17 Analyzed: 08/07/17						
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							V-05
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							L-03, V-05
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							
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							

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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 B183194 - SW-846 5035										
Blank (B183194-BLK1)										
					Prepared: 08/03/17 Analyzed: 08/07/17					
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	0.0245		mg/Kg wet	0.0250		98.0	70-130			
Surrogate: Toluene-d8	0.0252		mg/Kg wet	0.0250		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0255		mg/Kg wet	0.0250		102	70-130			
LCS (B183194-BS1)										
					Prepared: 08/03/17 Analyzed: 08/07/17					
Acetone	0.112	0.057	mg/Kg wet	0.113		98.5	70-130			
Acrylonitrile	0.0101	0.0057	mg/Kg wet	0.0113		89.5	70-130			
Benzene	0.0107	0.0011	mg/Kg wet	0.0113		94.8	70-130			
Bromobenzene	0.0105	0.0011	mg/Kg wet	0.0113		92.9	70-130			
Bromodichloromethane	0.0102	0.0011	mg/Kg wet	0.0113		89.7	70-130			
Bromoform	0.0108	0.0011	mg/Kg wet	0.0113		95.2	70-130			
Bromomethane	0.0187	0.0023	mg/Kg wet	0.0113		165	* 70-130			L-01, V-20
2-Butanone (MEK)	0.115	0.023	mg/Kg wet	0.113		101	70-130			
n-Butylbenzene	0.00884	0.0011	mg/Kg wet	0.0113		78.0	70-130			
sec-Butylbenzene	0.00953	0.0011	mg/Kg wet	0.0113		84.1	70-130			
tert-Butylbenzene	0.00981	0.0011	mg/Kg wet	0.0113		86.6	70-130			
Carbon Disulfide	0.112	0.0034	mg/Kg wet	0.113		98.6	70-130			
Carbon Tetrachloride	0.0112	0.0011	mg/Kg wet	0.0113		98.8	70-130			
Chlorobenzene	0.0110	0.0011	mg/Kg wet	0.0113		97.1	70-130			
Chlorodibromomethane	0.0109	0.00057	mg/Kg wet	0.0113		96.4	70-130			
Chloroethane	0.0109	0.0023	mg/Kg wet	0.0113		96.3	70-130			
Chloroform	0.0106	0.0023	mg/Kg wet	0.0113		93.9	70-130			
Chloromethane	0.0104	0.0023	mg/Kg wet	0.0113		91.8	70-130			
2-Chlorotoluene	0.0103	0.0011	mg/Kg wet	0.0113		91.3	70-130			
4-Chlorotoluene	0.0103	0.0011	mg/Kg wet	0.0113		90.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.00985	0.0057	mg/Kg wet	0.0113		86.9	70-130			
1,2-Dibromoethane (EDB)	0.0114	0.00057	mg/Kg wet	0.0113		100	70-130			
Dibromomethane	0.0112	0.0011	mg/Kg wet	0.0113		99.2	70-130			
1,2-Dichlorobenzene	0.0102	0.0011	mg/Kg wet	0.0113		90.3	70-130			
1,3-Dichlorobenzene	0.0101	0.0011	mg/Kg wet	0.0113		89.4	70-130			
1,4-Dichlorobenzene	0.0101	0.0011	mg/Kg wet	0.0113		89.2	70-130			
trans-1,4-Dichloro-2-butene	0.00831	0.0023	mg/Kg wet	0.0113		73.3	70-130			V-05
Dichlorodifluoromethane (Freon 12)	0.00950	0.0023	mg/Kg wet	0.0113		83.8	70-130			
1,1-Dichloroethane	0.0107	0.0011	mg/Kg wet	0.0113		94.8	70-130			
1,2-Dichloroethane	0.0112	0.0011	mg/Kg wet	0.0113		98.7	70-130			
1,1-Dichloroethylene	0.0108	0.0011	mg/Kg wet	0.0113		95.3	70-130			
cis-1,2-Dichloroethylene	0.00997	0.0011	mg/Kg wet	0.0113		88.0	70-130			
trans-1,2-Dichloroethylene	0.0108	0.0011	mg/Kg wet	0.0113		95.2	70-130			
1,2-Dichloropropane	0.0107	0.0011	mg/Kg wet	0.0113		94.5	70-130			
1,3-Dichloropropane	0.0113	0.00057	mg/Kg wet	0.0113		100	70-130			
2,2-Dichloropropane	0.00575	0.0011	mg/Kg wet	0.0113		50.7	* 70-130			L-03, V-05
1,1-Dichloropropene	0.0111	0.0023	mg/Kg wet	0.0113		98.2	70-130			
cis-1,3-Dichloropropene	0.00951	0.00057	mg/Kg wet	0.0113		83.9	70-130			
trans-1,3-Dichloropropene	0.00960	0.00057	mg/Kg wet	0.0113		84.7	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
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Batch B183194 - SW-846 5035

LCS (B183194-BS1)

Prepared: 08/03/17 Analyzed: 08/07/17

Ethylbenzene	0.0106	0.0011	mg/Kg wet	0.0113		93.7	70-130			
Hexachlorobutadiene	0.0112	0.0011	mg/Kg wet	0.0113		98.7	70-130			
2-Hexanone (MBK)	0.116	0.011	mg/Kg wet	0.113		102	70-130			
Isopropylbenzene (Cumene)	0.0107	0.0011	mg/Kg wet	0.0113		94.3	70-130			
p-Isopropyltoluene (p-Cymene)	0.00972	0.0011	mg/Kg wet	0.0113		85.8	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0111	0.0011	mg/Kg wet	0.0113		97.7	70-130			
Methylene Chloride	0.0105	0.0057	mg/Kg wet	0.0113		92.3	70-130			
4-Methyl-2-pentanone (MIBK)	0.116	0.011	mg/Kg wet	0.113		102	70-130			
Naphthalene	0.00970	0.0023	mg/Kg wet	0.0113		85.6	70-130			
n-Propylbenzene	0.0103	0.0011	mg/Kg wet	0.0113		91.2	70-130			
Styrene	0.0107	0.0011	mg/Kg wet	0.0113		94.8	70-130			
1,1,1,2-Tetrachloroethane	0.0107	0.0011	mg/Kg wet	0.0113		94.2	70-130			
1,1,2,2-Tetrachloroethane	0.0104	0.00057	mg/Kg wet	0.0113		92.0	70-130			
Tetrachloroethylene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
Tetrahydrofuran	0.0107	0.011	mg/Kg wet	0.0113		94.6	70-130			
Toluene	0.0108	0.0011	mg/Kg wet	0.0113		95.6	70-130			
1,2,3-Trichlorobenzene	0.0109	0.0057	mg/Kg wet	0.0113		96.5	70-130			
1,2,4-Trichlorobenzene	0.0109	0.0011	mg/Kg wet	0.0113		96.3	70-130			
1,1,1-Trichloroethane	0.0107	0.0011	mg/Kg wet	0.0113		94.6	70-130			
1,1,2-Trichloroethane	0.0112	0.0011	mg/Kg wet	0.0113		98.9	70-130			
Trichloroethylene	0.0109	0.0011	mg/Kg wet	0.0113		95.8	70-130			
Trichlorofluoromethane (Freon 11)	0.0113	0.0023	mg/Kg wet	0.0113		100	70-130			
1,2,3-Trichloropropane	0.0115	0.0023	mg/Kg wet	0.0113		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0110	0.0011	mg/Kg wet	0.0113		96.8	70-130			
1,2,4-Trimethylbenzene	0.00928	0.0011	mg/Kg wet	0.0113		81.9	70-130			
1,3,5-Trimethylbenzene	0.0102	0.0011	mg/Kg wet	0.0113		90.3	70-130			
Vinyl Chloride	0.0102	0.0023	mg/Kg wet	0.0113		89.8	70-130			
m+p Xylene	0.0212	0.0023	mg/Kg wet	0.0227		93.3	70-130			
o-Xylene	0.0106	0.0011	mg/Kg wet	0.0113		93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0269		mg/Kg wet	0.0250		108	70-130			
Surrogate: Toluene-d8	0.0282		mg/Kg wet	0.0250		113	70-130			
Surrogate: 4-Bromofluorobenzene	0.0291		mg/Kg wet	0.0250		117	70-130			

Batch B183261 - SW-846 5035

Blank (B183261-BLK1)

Prepared & Analyzed: 08/03/17

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							

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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 B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
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							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							

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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 B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0504		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0527		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0516		mg/Kg wet	0.0500		103	70-130			
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
Acetone	0.185	0.10	mg/Kg wet	0.200		92.6	70-130			
Acrylonitrile	0.0258	0.0060	mg/Kg wet	0.0200		129	70-130			
Benzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
Bromobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130			
Bromodichloromethane	0.0175	0.0020	mg/Kg wet	0.0200		87.4	70-130			
Bromoform	0.0161	0.0020	mg/Kg wet	0.0200		80.5	70-130			
Bromomethane	0.0193	0.010	mg/Kg wet	0.0200		96.5	70-130			
2-Butanone (MEK)	0.239	0.040	mg/Kg wet	0.200		120	70-130			
n-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130			
sec-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
Carbon Disulfide	0.202	0.0060	mg/Kg wet	0.200		101	70-130			
Carbon Tetrachloride	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
Chlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130			
Chlorodibromomethane	0.0188	0.0010	mg/Kg wet	0.0200		93.9	70-130			
Chloroethane	0.0169	0.020	mg/Kg wet	0.0200		84.7	70-130			
Chloroform	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
4-Chlorotoluene	0.0177	0.0020	mg/Kg wet	0.0200		88.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
Dibromomethane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,2-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,3-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130			
1,4-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
trans-1,4-Dichloro-2-butene	0.0196	0.0040	mg/Kg wet	0.0200		97.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0222	0.020	mg/Kg wet	0.0200		111	70-130			
1,1-Dichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethylene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130			
cis-1,2-Dichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
trans-1,2-Dichloroethylene	0.0253	0.0020	mg/Kg wet	0.0200		126	70-130			
1,2-Dichloropropane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		101	70-130			
2,2-Dichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.4	70-130			
cis-1,3-Dichloropropene	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
trans-1,3-Dichloropropene	0.0179	0.0010	mg/Kg wet	0.0200		89.4	70-130			
Ethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Hexachlorobutadiene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
2-Hexanone (MBK)	0.229	0.020	mg/Kg wet	0.200		114	70-130			
Isopropylbenzene (Cumene)	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		93.1	70-130			
Methylene Chloride	0.0233	0.020	mg/Kg wet	0.0200		117	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 B183261 - SW-846 5035										
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
4-Methyl-2-pentanone (MIBK)	0.233	0.020	mg/Kg wet	0.200		116	70-130			
Naphthalene	0.0162	0.0040	mg/Kg wet	0.0200		80.9	70-130			
n-Propylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
Styrene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130			
1,1,1,2-Tetrachloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
Tetrahydrofuran	0.0183	0.010	mg/Kg wet	0.0200		91.6	70-130			V-16
Toluene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.8	70-130			
1,2,4-Trichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130			
1,1,1-Trichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2-Trichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Trichlorofluoromethane (Freon 11)	0.0231	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0224	0.010	mg/Kg wet	0.0200		112	70-130			
1,2,4-Trimethylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
1,3,5-Trimethylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		93.8	70-130			
m+p Xylene	0.0376	0.0040	mg/Kg wet	0.0400		94.0	70-130			
o-Xylene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0506		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0531		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.0520		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 B183253 - SW-846 3510C										
Blank (B183253-BLK1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
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							R-05
Hexachlorocyclopentadiene	ND	10	µg/L							
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							R-05
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	93.6		µg/L	200		46.8	15-110			
Surrogate: Phenol-d6	62.2		µg/L	200		31.1	15-110			
Surrogate: Nitrobenzene-d5	84.3		µg/L	100		84.3	30-130			
Surrogate: 2-Fluorobiphenyl	82.5		µg/L	100		82.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183253 - SW-846 3510C										
Blank (B183253-BLK1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Surrogate: 2,4,6-Tribromophenol	197		µg/L	200		98.4	15-110			
Surrogate: p-Terphenyl-d14	96.1		µg/L	100		96.1	30-130			
LCS (B183253-BS1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Aniline	32.1	5.0	µg/L	50.0		64.2	40-140			†
Bis(2-chloroethoxy)methane	36.1	10	µg/L	50.0		72.1	40-140			
Bis(2-chloroethyl)ether	32.2	10	µg/L	50.0		64.4	40-140			
Bis(2-chloroisopropyl)ether	36.3	10	µg/L	50.0		72.6	40-140			
Bis(2-Ethylhexyl)phthalate	38.5	0.0	µg/L	50.0		76.9	40-140			
4-Bromophenylphenylether	37.0	10	µg/L	50.0		73.9	40-140			
Butylbenzylphthalate	38.2	10	µg/L	50.0		76.4	40-140			
Carbazole	32.8	10	µg/L	50.0		65.6	40-140			
4-Chloroaniline	32.6	10	µg/L	50.0		65.2	40-140			†
4-Chloro-3-methylphenol	37.7	10	µg/L	50.0		75.3	30-130			
2-Chloronaphthalene	29.0	10	µg/L	50.0		57.9	40-140			
2-Chlorophenol	31.0	10	µg/L	50.0		62.1	30-130			
4-Chlorophenylphenylether	36.1	10	µg/L	50.0		72.1	40-140			
Dibenzofuran	35.6	5.0	µg/L	50.0		71.3	40-140			
Di-n-butylphthalate	33.6	10	µg/L	50.0		67.2	40-140			
3,3-Dichlorobenzidine	38.8	10	µg/L	50.0		77.6	40-140			†
2,4-Dichlorophenol	34.9	10	µg/L	50.0		69.8	30-130			
Diethylphthalate	36.9	10	µg/L	50.0		73.8	40-140			
2,4-Dimethylphenol	32.8	10	µg/L	50.0		65.6	30-130			
Dimethylphthalate	35.4	10	µg/L	50.0		70.9	40-140			
4,6-Dinitro-2-methylphenol	33.6	10	µg/L	50.0		67.2	30-130			
2,4-Dinitrophenol	32.8	10	µg/L	50.0		65.5	30-130			
2,4-Dinitrotoluene	32.7	10	µg/L	50.0		65.4	40-140			
2,6-Dinitrotoluene	34.4	10	µg/L	50.0		68.9	40-140			
Di-n-octylphthalate	38.1	10	µg/L	50.0		76.2	40-140			
Hexachlorobenzene	35.7	10	µg/L	50.0		71.3	40-140			
Hexachlorobutadiene	36.2	10	µg/L	50.0		72.5	40-140			R-05
Hexachlorocyclopentadiene	26.1	10	µg/L	50.0		52.3	30-140			
Hexachloroethane	32.4	10	µg/L	50.0		64.9	40-140			
Isophorone	37.3	10	µg/L	50.0		74.6	40-140			
2-Methylphenol	28.0	10	µg/L	50.0		56.0	30-130			
3/4-Methylphenol	27.7	10	µg/L	50.0		55.4	30-130			
2-Nitroaniline	36.8	10	µg/L	50.0		73.7	40-140			
3-Nitroaniline	32.3	10	µg/L	50.0		64.6	40-140			†
4-Nitroaniline	33.5	10	µg/L	50.0		67.0	40-140			
Nitrobenzene	35.1	10	µg/L	50.0		70.2	40-140			
2-Nitrophenol	33.6	10	µg/L	50.0		67.3	30-130			
4-Nitrophenol	17.2	10	µg/L	50.0		34.3	10-130			
N-Nitrosodiphenylamine	45.5	10	µg/L	50.0		91.0	40-140			
N-Nitrosodi-n-propylamine	36.3	10	µg/L	50.0		72.7	40-140			
Pentachloronitrobenzene	38.0	10	µg/L	50.0		76.0	40-140			V-16
Pentachlorophenol	29.1	10	µg/L	50.0		58.2	30-130			
Phenol	15.6	10	µg/L	50.0		31.2	20-130			
Pyridine	10.2	5.0	µg/L	50.0		20.4	10-140			†
1,2,4,5-Tetrachlorobenzene	36.5	10	µg/L	50.0		73.0	40-140			
1,2,4-Trichlorobenzene	31.3	5.0	µg/L	50.0		62.5	40-140			R-05
2,4,5-Trichlorophenol	34.4	10	µg/L	50.0		68.9	30-130			
2,4,6-Trichlorophenol	35.7	10	µg/L	50.0		71.4	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183253 - SW-846 3510C										
LCS (B183253-BS1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Surrogate: 2-Fluorophenol	86.5		µg/L	200		43.2	15-110			
Surrogate: Phenol-d6	62.1		µg/L	200		31.0	15-110			
Surrogate: Nitrobenzene-d5	80.5		µg/L	100		80.5	30-130			
Surrogate: 2-Fluorobiphenyl	80.5		µg/L	100		80.5	30-130			
Surrogate: 2,4,6-Tribromophenol	182		µg/L	200		90.9	15-110			
Surrogate: p-Terphenyl-d14	80.7		µg/L	100		80.7	30-130			
LCS Dup (B183253-BSD1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Aniline	32.2	5.0	µg/L	50.0		64.5	40-140	0.435	50	† ‡
Bis(2-chloroethoxy)methane	34.1	10	µg/L	50.0		68.2	40-140	5.56	20	
Bis(2-chloroethyl)ether	31.3	10	µg/L	50.0		62.6	40-140	2.87	20	
Bis(2-chloroisopropyl)ether	35.2	10	µg/L	50.0		70.4	40-140	3.08	20	
Bis(2-Ethylhexyl)phthalate	34.6	10	µg/L	50.0		69.1	40-140	10.7	20	
4-Bromophenylphenylether	33.1	10	µg/L	50.0		66.3	40-140	10.9	20	
Butylbenzylphthalate	35.6	10	µg/L	50.0		71.2	40-140	7.02	20	
Carbazole	29.6	10	µg/L	50.0		59.3	40-140	10.1	20	
4-Chloroaniline	30.2	10	µg/L	50.0		60.5	40-140	7.54	20	†
4-Chloro-3-methylphenol	36.3	10	µg/L	50.0		72.5	30-130	3.81	20	
2-Chloronaphthalene	25.2	10	µg/L	50.0		50.3	40-140	14.0	20	
2-Chlorophenol	30.8	10	µg/L	50.0		61.6	30-130	0.809	20	
4-Chlorophenylphenylether	32.9	10	µg/L	50.0		65.8	40-140	9.16	20	
Dibenzofuran	32.2	5.0	µg/L	50.0		64.5	40-140	10.1	20	
Di-n-butylphthalate	30.3	10	µg/L	50.0		60.6	40-140	10.3	20	
3,3-Dichlorobenzidine	35.6	10	µg/L	50.0		71.1	40-140	8.69	20	† ‡
2,4-Dichlorophenol	33.1	10	µg/L	50.0		66.2	30-130	5.26	20	
Diethylphthalate	34.4	10	µg/L	50.0		68.8	40-140	7.04	20	
2,4-Dimethylphenol	32.5	10	µg/L	50.0		65.1	30-130	0.857	20	
Dimethylphthalate	32.1	10	µg/L	50.0		64.2	40-140	9.89	50	
4,6-Dinitro-2-methylphenol	29.7	10	µg/L	50.0		59.4	30-130	12.2	50	
2,4-Dinitrophenol	31.3	10	µg/L	50.0		62.6	30-130	4.50	50	
2,4-Dinitrotoluene	30.3	10	µg/L	50.0		60.6	40-140	7.68	20	
2,6-Dinitrotoluene	32.1	10	µg/L	50.0		64.3	40-140	6.88	20	
Di-n-octylphthalate	33.8	10	µg/L	50.0		67.6	40-140	12.0	20	
Hexachlorobenzene	31.6	10	µg/L	50.0		63.2	40-140	12.0	20	
Hexachlorobutadiene	26.8	10	µg/L	50.0		53.5	40-140	30.1 *	20	R-05
Hexachlorocyclopentadiene	22.3	10	µg/L	50.0		44.7	30-140	15.7	50	
Hexachloroethane	24.1	10	µg/L	50.0		48.2	40-140	29.5	50	
Isophorone	35.3	10	µg/L	50.0		70.5	40-140	5.62	20	
2-Methylphenol	26.9	10	µg/L	50.0		53.8	30-130	4.08	20	
3/4-Methylphenol	27.5	10	µg/L	50.0		55.0	30-130	0.580	20	
2-Nitroaniline	34.2	10	µg/L	50.0		68.5	40-140	7.26	20	
3-Nitroaniline	30.3	10	µg/L	50.0		60.6	40-140	6.45	20	†
4-Nitroaniline	31.2	10	µg/L	50.0		62.3	40-140	7.27	20	
Nitrobenzene	33.4	10	µg/L	50.0		66.8	40-140	5.05	20	
2-Nitrophenol	31.7	10	µg/L	50.0		63.5	30-130	5.78	20	
4-Nitrophenol	16.0	10	µg/L	50.0		32.0	10-130	7.00	50	‡
N-Nitrosodiphenylamine	40.4	10	µg/L	50.0		80.9	40-140	11.8	20	
N-Nitrosodi-n-propylamine	35.2	10	µg/L	50.0		70.5	40-140	3.02	20	
Pentachloronitrobenzene	33.4	10	µg/L	50.0		66.8	40-140	13.0	20	V-16
Pentachlorophenol	23.9	10	µg/L	50.0		47.8	30-130	19.7	50	
Phenol	15.9	10	µg/L	50.0		31.7	20-130	1.59	20	
Pyridine	12.8	5.0	µg/L	50.0		25.6	10-140	22.6	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
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Batch B183253 - SW-846 3510C
LCS Dup (B183253-BSD1)

Prepared: 08/03/17 Analyzed: 08/04/17

1,2,4,5-Tetrachlorobenzene	31.0	10	µg/L	50.0		62.1	40-140	16.2	20	
1,2,4-Trichlorobenzene	25.1	5.0	µg/L	50.0		50.3	40-140	21.7	*	R-05
2,4,5-Trichlorophenol	31.9	10	µg/L	50.0		63.9	30-130	7.53	20	
2,4,6-Trichlorophenol	31.6	10	µg/L	50.0		63.1	30-130	12.4	50	
Surrogate: 2-Fluorophenol	88.0		µg/L	200		44.0	15-110			
Surrogate: Phenol-d6	60.4		µg/L	200		30.2	15-110			
Surrogate: Nitrobenzene-d5	75.2		µg/L	100		75.2	30-130			
Surrogate: 2-Fluorobiphenyl	67.5		µg/L	100		67.5	30-130			
Surrogate: 2,4,6-Tribromophenol	160		µg/L	200		79.9	15-110			
Surrogate: p-Terphenyl-d14	73.3		µg/L	100		73.3	30-130			

Batch B183493 - SW-846 3510C
Blank (B183493-BLK1)

Prepared: 08/03/17 Analyzed: 08/04/17

Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	79.4		µg/L	100		79.4	30-130			
Surrogate: 2-Fluorobiphenyl	76.8		µg/L	100		76.8	30-130			
Surrogate: p-Terphenyl-d14	69.3		µg/L	100		69.3	30-130			

LCS (B183493-BS1)

Prepared: 08/03/17 Analyzed: 08/04/17

Acenaphthene (SIM)	42.6	7.5	µg/L	50.0		85.1	40-140			
Acenaphthylene (SIM)	41.8	7.5	µg/L	50.0		83.5	40-140			
Anthracene (SIM)	44.5	5.0	µg/L	50.0		89.0	40-140			
Benzo(a)anthracene (SIM)	43.2	1.2	µg/L	50.0		86.4	40-140			
Benzo(a)pyrene (SIM)	45.6	2.5	µg/L	50.0		91.3	40-140			
Benzo(b)fluoranthene (SIM)	46.4	1.2	µg/L	50.0		92.7	40-140			
Benzo(g,h,i)perylene (SIM)	43.6	12	µg/L	50.0		87.2	40-140			
Benzo(k)fluoranthene (SIM)	45.9	5.0	µg/L	50.0		91.8	40-140			
Chrysene (SIM)	43.3	5.0	µg/L	50.0		86.6	40-140			
Dibenz(a,h)anthracene (SIM)	44.4	5.0	µg/L	50.0		88.7	40-140			
Fluoranthene (SIM)	43.6	12	µg/L	50.0		87.2	40-140			
Fluorene (SIM)	43.4	25	µg/L	50.0		86.9	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	43.6	5.0	µg/L	50.0		87.2	40-140			
2-Methylnaphthalene (SIM)	40.9	25	µg/L	50.0		81.8	40-140			
Naphthalene (SIM)	39.9	25	µg/L	50.0		79.8	40-140			
Phenanthrene (SIM)	43.8	1.2	µg/L	50.0		87.6	40-140			
Pyrene (SIM)	43.8	25	µg/L	50.0		87.6	40-140			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183493 - SW-846 3510C										
LCS (B183493-BS1)				Prepared: 08/03/17 Analyzed: 08/04/17						
Surrogate: Nitrobenzene-d5	86.3		µg/L	100		86.3	30-130			
Surrogate: 2-Fluorobiphenyl	95.8		µg/L	100		95.8	30-130			
Surrogate: p-Terphenyl-d14	76.0		µg/L	100		76.0	30-130			
LCS Dup (B183493-BS1)				Prepared: 08/03/17 Analyzed: 08/04/17						
Acenaphthene (SIM)	40.6	7.5	µg/L	50.0		81.2	40-140	4.69	20	
Acenaphthylene (SIM)	39.7	7.5	µg/L	50.0		79.4	40-140	4.97	20	
Anthracene (SIM)	43.0	5.0	µg/L	50.0		86.0	40-140	3.43	20	
Benzo(a)anthracene (SIM)	41.6	1.2	µg/L	50.0		83.2	40-140	3.72	20	
Benzo(a)pyrene (SIM)	44.0	2.5	µg/L	50.0		88.1	40-140	3.57	20	
Benzo(b)fluoranthene (SIM)	44.6	1.2	µg/L	50.0		89.3	40-140	3.74	20	
Benzo(g,h,i)perylene (SIM)	42.0	12	µg/L	50.0		84.0	40-140	3.74	20	
Benzo(k)fluoranthene (SIM)	44.2	5.0	µg/L	50.0		88.4	40-140	3.83	20	
Chrysene (SIM)	41.8	5.0	µg/L	50.0		83.6	40-140	3.47	20	
Dibenz(a,h)anthracene (SIM)	42.4	5.0	µg/L	50.0		84.7	40-140	4.61	20	
Fluoranthene (SIM)	42.2	12	µg/L	50.0		84.4	40-140	3.32	20	
Fluorene (SIM)	42.0	25	µg/L	50.0		84.0	40-140	3.45	20	
Indeno(1,2,3-cd)pyrene (SIM)	41.6	5.0	µg/L	50.0		83.3	40-140	4.52	20	‡
2-Methylnaphthalene (SIM)	37.6	25	µg/L	50.0		75.2	40-140	8.47	20	
Naphthalene (SIM)	35.6	25	µg/L	50.0		71.2	40-140	11.5	20	
Phenanthrene (SIM)	42.2	1.2	µg/L	50.0		84.4	40-140	3.72	20	
Pyrene (SIM)	41.8	25	µg/L	50.0		83.7	40-140	4.55	20	
Surrogate: Nitrobenzene-d5	85.6		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	86.5		µg/L	100		86.5	30-130			
Surrogate: p-Terphenyl-d14	70.3		µg/L	100		70.3	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 B183192 - SW-846 3510C										
Blank (B183192-BLK1)										
Prepared & Analyzed: 08/03/17										
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	2.15		µg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.31		µg/L	2.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.89		µg/L	2.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.98		µg/L	2.00		99.2	30-150			
LCS (B183192-BS1)										
Prepared & Analyzed: 08/03/17										
Aroclor-1016	0.55	0.20	µg/L	0.500		110	40-140			
Aroclor-1016 [2C]	0.64	0.20	µg/L	0.500		128	40-140			
Aroclor-1260	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260 [2C]	0.61	0.20	µg/L	0.500		121	40-140			
Surrogate: Decachlorobiphenyl	2.16		µg/L	2.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.33		µg/L	2.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.00		µg/L	2.00		100	30-150			
LCS Dup (B183192-BSD1)										
Prepared & Analyzed: 08/03/17										
Aroclor-1016	0.58	0.20	µg/L	0.500		115	40-140	4.87	20	
Aroclor-1016 [2C]	0.68	0.20	µg/L	0.500		137	40-140	6.39	20	
Aroclor-1260	0.53	0.20	µg/L	0.500		105	40-140	1.89	20	
Aroclor-1260 [2C]	0.64	0.20	µg/L	0.500		129	40-140	6.02	20	
Surrogate: Decachlorobiphenyl	2.14		µg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.32		µg/L	2.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.87		µg/L	2.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.99		µg/L	2.00		99.6	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183351 - SW-846 3540C
Blank (B183351-BLK1)

Prepared: 08/04/17 Analyzed: 08/14/17

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	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.169		mg/Kg wet	0.200		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.159		mg/Kg wet	0.200		79.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.167		mg/Kg wet	0.200		83.6	30-150			

LCS (B183351-BS1)

Prepared: 08/04/17 Analyzed: 08/14/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.1	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.1	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.4	40-140			
Surrogate: Decachlorobiphenyl	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.197		mg/Kg wet	0.200		98.4	30-150			

LCS Dup (B183351-BS1)

Prepared: 08/04/17 Analyzed: 08/14/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.5	40-140	1.61	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.6	40-140	0.260	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.4	40-140	0.315	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		87.9	40-140	0.476	30	
Surrogate: Decachlorobiphenyl	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.196		mg/Kg wet	0.200		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		95.9	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 B183110 - SW-846 3510C										
Blank (B183110-BLK1)				Prepared: 08/02/17 Analyzed: 08/03/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0867		mg/L	0.100		86.7	50-150			
LCS (B183110-BS1)				Prepared: 08/02/17 Analyzed: 08/03/17						
CT ETPH	0.652	0.075	mg/L	1.00		65.2	60-120			
Surrogate: o-Terphenyl	0.0693		mg/L	0.100		69.3	50-150			
LCS Dup (B183110-BSD1)				Prepared: 08/02/17 Analyzed: 08/03/17						
CT ETPH	0.684	0.075	mg/L	1.00		68.4	60-120	4.88	30	
Surrogate: o-Terphenyl	0.0681		mg/L	0.100		68.1	50-150			
Batch B183276 - SW-846 3546										
Blank (B183276-BLK1)				Prepared: 08/03/17 Analyzed: 08/04/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.29		mg/Kg wet	3.33		98.8	50-150			
LCS (B183276-BS1)				Prepared: 08/03/17 Analyzed: 08/04/17						
CT ETPH	28.8	10	mg/Kg wet	33.3		86.3	60-120			
Surrogate: o-Terphenyl	2.70		mg/Kg wet	3.33		80.9	50-150			
LCS Dup (B183276-BSD1)				Prepared: 08/03/17 Analyzed: 08/04/17						
CT ETPH	30.5	10	mg/Kg wet	33.3		91.6	60-120	5.93	30	
Surrogate: o-Terphenyl	2.84		mg/Kg wet	3.33		85.3	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
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Batch B183056 - SW-846 3005A
Blank (B183056-BLK1)

Prepared: 08/01/17 Analyzed: 08/02/17

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 (B183056-BS1)

Prepared: 08/01/17 Analyzed: 08/02/17

Antimony	259	5.0	µg/L	250		104	80-120			
Arsenic	252	2.0	µg/L	250		101	80-120			
Barium	253	50	µg/L	250		101	80-120			
Beryllium	254	2.0	µg/L	250		102	80-120			
Cadmium	250	2.5	µg/L	250		100	80-120			
Chromium	253	5.0	µg/L	250		101	80-120			
Copper	251	25	µg/L	250		100	80-120			
Lead	255	5.0	µg/L	250		102	80-120			
Nickel	251	25	µg/L	250		101	80-120			
Selenium	241	25	µg/L	250		96.6	80-120			
Silver	258	2.5	µg/L	250		103	80-120			
Thallium	245	1.0	µg/L	250		97.9	80-120			
Vanadium	253	25	µg/L	250		101	80-120			
Zinc	244	50	µg/L	250		97.6	80-120			

LCS Dup (B183056-BSD1)

Prepared: 08/01/17 Analyzed: 08/02/17

Antimony	262	5.0	µg/L	250		105	80-120	0.945	20	
Arsenic	257	2.0	µg/L	250		103	80-120	1.78	20	
Barium	258	50	µg/L	250		103	80-120	1.86	20	
Beryllium	258	2.0	µg/L	250		103	80-120	1.82	20	
Cadmium	255	2.5	µg/L	250		102	80-120	1.66	20	
Chromium	260	5.0	µg/L	250		104	80-120	2.63	20	
Copper	259	25	µg/L	250		104	80-120	3.10	20	
Lead	261	5.0	µg/L	250		104	80-120	2.15	20	
Nickel	260	25	µg/L	250		104	80-120	3.19	20	
Selenium	243	25	µg/L	250		97.4	80-120	0.813	20	
Silver	265	2.5	µg/L	250		106	80-120	2.69	20	
Thallium	248	1.0	µg/L	250		99.1	80-120	1.28	20	
Vanadium	259	25	µg/L	250		104	80-120	2.26	20	
Zinc	249	50	µg/L	250		99.8	80-120	2.19	20	

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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
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Batch B183199 - SW-846 7470A Prep
Blank (B183199-BLK1)

Prepared: 08/04/17 Analyzed: 08/05/17

Mercury	ND	0.00010	mg/L							
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LCS (B183199-BS1)

Prepared: 08/04/17 Analyzed: 08/05/17

Mercury	0.00192	0.00010	mg/L	0.00200		95.8	80-120			
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LCS Dup (B183199-BSD1)

Prepared: 08/04/17 Analyzed: 08/05/17

Mercury	0.00184	0.00010	mg/L	0.00200		92.2	80-120	3.86	20	
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Batch B183203 - SW-846 3050B
Blank (B183203-BLK1)

Prepared: 08/03/17 Analyzed: 08/07/17

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 (B183203-BS1)

Prepared: 08/03/17 Analyzed: 08/07/17

Antimony	72.0	5.0	mg/Kg wet	88.2		81.6	0-210.3			
Arsenic	55.2	5.0	mg/Kg wet	57.0		96.8	77.8-122.1			
Barium	108	5.0	mg/Kg wet	110		98.2	82-117.4			
Beryllium	68.1	0.50	mg/Kg wet	67.5		101	82.3-117.7			
Cadmium	77.4	0.50	mg/Kg wet	77.8		99.5	81.9-118.2			
Chromium	63.7	1.0	mg/Kg wet	65.0		97.9	78.7-120.6			
Copper	58.6	1.0	mg/Kg wet	56.4		104	80.4-119.6			
Lead	84.3	1.5	mg/Kg wet	85.6		98.5	82.4-117.8			
Nickel	59.7	1.0	mg/Kg wet	61.3		97.3	82.2-117.8			
Selenium	75.4	10	mg/Kg wet	78.9		95.6	77.1-122.3			
Silver	54.1	1.0	mg/Kg wet	54.2		99.7	74.3-125.4			
Thallium	192	5.0	mg/Kg wet	178		108	78.2-121.6			
Vanadium	54.6	2.0	mg/Kg wet	56.3		96.9	64.8-135.2			
Zinc	191	2.0	mg/Kg wet	198		96.5	79.7-120.8			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183203 - SW-846 3050B
LCS Dup (B183203-BSD1)

Prepared: 08/03/17 Analyzed: 08/07/17

Antimony	69.8	5.1	mg/Kg wet	88.2		79.1	0-210.3	3.12	30	
Arsenic	56.0	5.1	mg/Kg wet	57.0		98.2	77.8-122.1	1.41	30	
Barium	106	5.1	mg/Kg wet	110		96.6	82-117.4	1.62	30	
Beryllium	67.7	0.51	mg/Kg wet	67.5		100	82.3-117.7	0.566	30	
Cadmium	78.4	0.51	mg/Kg wet	77.8		101	81.9-118.2	1.24	30	
Chromium	62.3	1.0	mg/Kg wet	65.0		95.8	78.7-120.6	2.18	30	
Copper	58.8	1.0	mg/Kg wet	56.4		104	80.4-119.6	0.296	30	
Lead	82.9	1.5	mg/Kg wet	85.6		96.9	82.4-117.8	1.69	30	
Nickel	60.9	1.0	mg/Kg wet	61.3		99.3	82.2-117.8	2.05	30	
Selenium	75.6	10	mg/Kg wet	78.9		95.8	77.1-122.3	0.247	30	
Silver	53.7	1.0	mg/Kg wet	54.2		99.1	74.3-125.4	0.626	30	
Thallium	189	5.1	mg/Kg wet	178		106	78.2-121.6	1.54	30	
Vanadium	52.7	2.0	mg/Kg wet	56.3		93.5	64.8-135.2	3.54	30	
Zinc	190	2.0	mg/Kg wet	198		96.1	79.7-120.8	0.393	30	

MRL Check (B183203-MRL1)

Prepared: 08/03/17 Analyzed: 08/07/17

Lead	0.863	0.72	mg/Kg wet	0.722		120	80-120			
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Batch B183214 - SW-846 7471
Blank (B183214-BLK1)

Prepared: 08/03/17 Analyzed: 08/05/17

Mercury	ND	0.025	mg/Kg wet							
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LCS (B183214-BS1)

Prepared: 08/03/17 Analyzed: 08/05/17

Mercury	9.76	1.9	mg/Kg wet	9.36		104	73.7-126.3			
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LCS Dup (B183214-BSD1)

Prepared: 08/03/17 Analyzed: 08/05/17

Mercury	9.10	1.9	mg/Kg wet	9.36		97.2	73.7-126.3	7.05	30	
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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183313 - % Solids
Duplicate (B183313-DUP2)
Source: 17G1258-01

Prepared: 08/04/17 Analyzed: 08/05/17

% Solids	89.6		% Wt		89.7			0.112	20	
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-DUP-28

Lab Sample ID: 17G1258-07 Date(s) Analyzed 08/15/2017 08/15/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	3.5	
	2	0.000	-0.030	0.030	3.3	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B183192-BS1 Date(s) Analyzed 08/03/2017 08/03/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.64	15.1
Aroclor-1260	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.61	15.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B183192-BSD1 Date(s) Analyzed 08/03/2017 08/03/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.58	
	2	0.000	0.000	0.000	0.68	15.9
Aroclor-1260	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.64	18.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B183351-BS1 Date(s) Analyzed 08/14/2017 08/14/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.17	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B183351-BSD1 Date(s) Analyzed 08/14/2017 08/14/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-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.
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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.
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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT
<i>SW-846 6010C-D in Soil</i>	
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
<i>SW-846 6020A-B in Water</i>	
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
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
<i>SW-846 8270D in Water</i>	
Aniline	CT,NY
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
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	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
Phenol	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 Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotiak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOCT-SO-22-3	7/27/17	14:39				
2	WS-AOCT-SO-22-4		14:40				
3	WS-AOCT-SO-23-1		14:41				
4	WS-AOCT-SO-23-2		14:42				
5	WS-AOCT-SO-23-3		14:43				
6	TRIP BLANK	7/27/17	15:20				

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Detection Limit Requirements:

Date/Time: 1535

Date/Time: 7/27/17 1535

Date/Time: 7/27/17 1535

Date/Time: 7/27/17 1535

Date/Time: 7/27/17 1535

Date/Time: 7/27/17 1535

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Date/Time: 7/27/17 1535

Date/Time: 7/27/17 1535

Date/Time: 7/27/17 1535

Doc # 381 Rev 0 5 8 2015

http://www.contestlabs.com
CHAIN OF CUSTODY RECORD
39 Spruce Street
East Longmeadow, MA 01028

Page 13 of 15

of Containers

2 Preservation Code

3 Container Code

ANALYSIS REQUESTED

VOCs
RSR, 15 Metal
SVOCs
ETPH
PAHs
(Soxhlet) PCBs

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)

Disolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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 7/27/17 Time 1945
How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____
Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.0, 2.3, 2.1
By Blank # _____ Actual Temp - _____
Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? _____
Are there Rushes? N/A Who was notified? _____
Are there Short Holds? N/A Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	12	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	227
Meoh-	3	250 mL Amb.		250 mL Plastic	2	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	6	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 7/27/17 1945	
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\A080417\A0804042.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804042.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	496930	540759	-8
c - 10	1.43	504684	540759	-7
c - 12	2.16	531774	540759	-2
c - 14	2.84	548652	540759	1
c - 16	3.44	561658	540759	4
c - 18	4.02	556185	540759	3
o-Terphenyl	4.30	591043	540759	
c - 20	4.63	564764	540759	4
c - 22	5.15	571232	540759	6
c - 24	5.60	531546	540759	-2
c - 26	6.00	557639	540759	3
c - 28	6.36	545631	540759	1
c - 30	6.69	541457	540759	0
c - 32	7.00	529841	540759	-2
c - 34	7.30	534051	540759	-1
c - 36	7.58	535342	540759	-1

* One compound allowed %D <= 50%

Samples

17G1258-10
 17G1258-11
 17G1188-01
 17G1188-02
 17G1188-03

8/5/17 10:51 AM

D:\HPCHEM\1\DATA\A080417\A0804078.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804078.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	451447	495950	-9
c - 10	1.43	453087	495950	-9
c - 12	2.16	479235	495950	-3
c - 14	2.84	491947	495950	-1
c - 16	3.44	506893	495950	2
c - 18	4.02	504487	495950	2
o-Terphenyl	4.31	554881	495950	
c - 20	4.63	517031	495950	4
c - 22	5.15	526767	495950	6
c - 24	5.60	494638	495950	0
c - 26	5.99	520797	495950	5
c - 28	6.35	509017	495950	3
c - 30	6.69	504152	495950	2
c - 32	7.00	490587	495950	-1
c - 34	7.29	493940	495950	0
c - 36	7.58	495218	495950	0

* One compound allowed %D <= 50%

Samples

17G1257-13
 17G1257-18
 17G1254-18
 17G1169-17
 17G1075-10@5X
 17G1075-13@5X
 17G1172-11
 17G1074-19
 17G1074-06@10X
 17G1074-09@10X
 17G1077-17RE1@20X

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CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	396420	435896	-9
c - 10	1.64	401324	435896	-8
c - 12	2.37	415700	435896	-5
c - 14	3.04	427710	435896	-2
c - 16	3.65	441238	435896	1
c - 18	4.29	439544	435896	1
o-Terphenyl	4.57	487396	435896	
c - 20	4.89	449397	435896	3
c - 22	5.40	460053	435896	6
c - 24	5.84	432109	435896	-1
c - 26	6.23	457570	435896	5
c - 28	6.59	452358	435896	4
c - 30	6.93	450754	435896	3
c - 32	7.24	439754	435896	1
c - 34	7.54	441393	435896	1
c - 36	7.89	433119	435896	-1

* One compound allowed %D <= 50%

Samples

17G1252-02
 17G1073-16@5X
 17G1171-20@50X

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CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806060.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	395677	432339	-8
c - 10	1.64	400720	432339	-7
c - 12	2.37	413483	432339	-4
c - 14	3.05	425031	432339	-2
c - 16	3.66	438429	432339	1
c - 18	4.29	436657	432339	1
o-Terphenyl	4.57	485024	432339	
c - 20	4.89	444922	432339	3
c - 22	5.40	454087	432339	5
c - 24	5.84	425652	432339	-2
c - 26	6.24	450486	432339	4
c - 28	6.60	446427	432339	3
c - 30	6.93	446559	432339	3
c - 32	7.24	437863	432339	1
c - 34	7.54	438057	432339	1
c - 36	7.89	431036	432339	0

* One compound allowed %D <= 50%

Samples

17G1252-07@10X
 17G1252-19@10X
 17G1258-08@100X
 17G1252-09
 17G1258-04
 17G1252-14

D:\HPCHEM\1\DATA\A080617.SEC\A0806007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	498947	548960	-9
c - 10	1.63	504890	548960	-8
c - 12	2.35	523064	548960	-5
c - 14	3.01	538273	548960	-2
c - 16	3.62	554877	548960	1
c - 18	4.23	552045	548960	1
o-Terphenyl	4.51	617304	548960	
c - 20	4.84	564142	548960	3
c - 22	5.34	578309	548960	5
c - 24	5.78	544489	548960	-1
c - 26	6.17	578509	548960	5
c - 28	6.53	572642	548960	4
c - 30	6.86	570509	548960	4
c - 32	7.17	554065	548960	1
c - 34	7.47	553258	548960	1
c - 36	7.78	546376	548960	0

* One compound allowed %D <= 50%

Samples

17G1310-01
 17G1310-02
 17G1439-01
 17H0092-01
 17H0092-02

D:\HPCHEM\1\DATA\A080617.SEC\A0806061.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806061.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	517970	566638	-9
c - 10	1.63	523932	566638	-8
c - 12	2.35	540830	566638	-5
c - 14	3.02	555805	566638	-2
c - 16	3.62	572903	566638	1
c - 18	4.23	569699	566638	1
o-Terphenyl	4.52	638062	566638	
c - 20	4.84	581877	566638	3
c - 22	5.35	595392	566638	5
c - 24	5.78	559920	566638	-1
c - 26	6.17	594228	566638	5
c - 28	6.53	589070	566638	4
c - 30	6.86	588717	566638	4
c - 32	7.17	573707	566638	1
c - 34	7.47	571397	566638	1
c - 36	7.78	564127	566638	0

* One compound allowed %D <= 50%

Samples

17G1255-07@100X
 17G1255-11@100X
 17G1256-07@20X
 17G1256-08@100X
 17G1256-14@5X
 17G1256-18@5X
 17G1258-01@5X
 17G1258-02@5X
 17G1258-05@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: 17G1258

Laboratory Sample ID(s):
17G1258-01 thru 17G1258-11

Sample Date(s):
07/27/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/16/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 16, 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: 17G1258

Enclosed are results of analyses for samples received by the laboratory on July 27, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 8/16/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1258

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-AOC7-SO-22-3	17G1258-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-22-4	17G1258-02	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-23-1	17G1258-03	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-23-2	17G1258-04	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C	
WS-AOC7-SO-23-3	17G1258-05	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C	
Trip Blank	17G1258-06	Trip Blank Soil		SW-846 8260C	
WS-AOC13-SO-DUP-28	17G1258-07	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-DUP-29	17G1258-08	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 7471B	
WS-AOC7-SO-DUP-30	17G1258-09	Soil		SM 2540G SW-846 8260C	
EB17	17G1258-10	Equipment Blank Water		CTDEP ETPH SW-846 6020A-B SW-846 7470A SW-846 8082A SW-846 8270D	
EB18	17G1258-11	Equipment Blank Water		CTDEP ETPH SW-846 6020A-B SW-846 7470A SW-846 8082A SW-846 8270D	

CASE NARRATIVE SUMMARY

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

REVISED REPORT - No percent solids volume submitted on sample WS-AOC70SO-DUP-30. Result for this sample used from sample WS-AOC7SO-9-3-B.

For method 8260, Sample 17G1258-04 was run with the methanol vial due to sample matrix.

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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**

17G1258-05[WS-AOC7-SO-23-3], 17G1258-08[WS-AOC7-SO-DUP-29]

SW-846 8082A**Qualifications:****S-12**

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

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

17G1258-10[EB17]

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:**Bromomethane**

B183194-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:**2,2-Dichloropropane**

17G1258-04[WS-AOC7-SO-23-2], B183194-BLK1, B183194-BS1

Methyl tert-Butyl Ether (MTBE)

17G1258-09[WS-AOC7-SO-DUP-30], B182955-BLK1, B182955-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

17G1258-09[WS-AOC7-SO-DUP-30]

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:**1,2-Dibromo-3-chloropropane (DBP)**

17G1258-09[WS-AOC7-SO-DUP-30], B182955-BLK1, B182955-BS1

2,2-Dichloropropane

17G1258-04[WS-AOC7-SO-23-2], B183194-BLK1, B183194-BS1

Methyl tert-Butyl Ether (MTBE)

17G1258-09[WS-AOC7-SO-DUP-30], B182955-BLK1, B182955-BS1

trans-1,4-Dichloro-2-butene

17G1258-04[WS-AOC7-SO-23-2], B183194-BLK1, B183194-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**

17G1258-06[Trip Blank], B183261-BLK1, B183261-BS1

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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:**Bromomethane**

B183194-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:**1,2,4-Trichlorobenzene**

17G1258-10[EB17], 17G1258-11[EB18], B183253-BLK1, B183253-BS1, B183253-BSD1

Hexachlorobutadiene

17G1258-10[EB17], 17G1258-11[EB18], B183253-BLK1, B183253-BS1, B183253-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.

Requested reporting limit not met.

Analyte & Samples(s) Qualified:**Bis(2-Ethylhexyl)phthalate**

17G1258-10[EB17], 17G1258-11[EB18]

Hexachlorobenzene

17G1258-10[EB17], 17G1258-11[EB18]

Pentachlorophenol

17G1258-10[EB17], 17G1258-11[EB18]

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**

17G1258-10[EB17], 17G1258-11[EB18], B183253-BLK1, B183253-BS1, B183253-BSD1

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

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

SW-846 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.

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.

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-3

Sampled: 7/27/2017 14:39

Sample ID: 17G1258-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.8	30-150							
Decachlorobiphenyl [2]	92.0	30-150							
Tetrachloro-m-xylene [1]	86.1	30-150							
Tetrachloro-m-xylene [2]	92.9	30-150							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-3

Sampled: 7/27/2017 14:39

Sample ID: 17G1258-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	79	56	mg/Kg dry	5		CTDEP ETPH	8/3/17	8/6/17 23:48	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	86.5		50-150					8/6/17 23:48	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-3

Sampled: 7/27/2017 14:39

Sample ID: 17G1258-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-4

Sampled: 7/27/2017 14:40

Sample ID: 17G1258-02

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	8/4/17	8/15/17 4:18	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:18	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.2	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	85.2	30-150							
Tetrachloro-m-xylene [2]	90.3	30-150							

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-4

Sampled: 7/27/2017 14:40

Sample ID: 17G1258-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	77	57	mg/Kg dry	5		CTDEP ETPH	8/3/17	8/7/17 0:05	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	70.3		50-150					8/7/17 0:05	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-22-4

Sampled: 7/27/2017 14:40

Sample ID: 17G1258-02

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	87.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-1

Sampled: 7/27/2017 14:41

Sample ID: 17G1258-03

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	8/4/17	8/15/17 4:35	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:35	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.0	30-150							
Decachlorobiphenyl [2]	82.8	30-150							
Tetrachloro-m-xylene [1]	91.7	30-150							
Tetrachloro-m-xylene [2]	98.8	30-150							

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-1

Sampled: 7/27/2017 14:41

Sample ID: 17G1258-03

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	93.5		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

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	1.9	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Acrylonitrile	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Benzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromodichloromethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromoform	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Bromomethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2-Butanone (MEK)	ND	0.78	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
n-Butylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
sec-Butylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
tert-Butylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Carbon Disulfide	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Carbon Tetrachloride	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chlorodibromomethane	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chloroethane	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chloroform	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Chloromethane	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2-Chlorotoluene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
4-Chlorotoluene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dibromoethane (EDB)	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Dibromomethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,3-Dichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,4-Dichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
trans-1,4-Dichloro-2-butene	ND	0.078	mg/Kg dry	1	V-05	SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1-Dichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1-Dichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
cis-1,2-Dichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
trans-1,2-Dichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2-Dichloropropane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,3-Dichloropropane	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2,2-Dichloropropane	ND	0.039	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1-Dichloropropene	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
cis-1,3-Dichloropropene	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
trans-1,3-Dichloropropene	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Ethylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Hexachlorobutadiene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
2-Hexanone (MBK)	ND	0.39	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Isopropylbenzene (Cumene)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
p-Isopropyltoluene (p-Cymene)	0.057	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

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	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Methylene Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
4-Methyl-2-pentanone (MIBK)	ND	0.39	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Naphthalene	0.095	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
n-Propylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Styrene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,1,2-Tetrachloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,2,2-Tetrachloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Tetrachloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Tetrahydrofuran	ND	0.39	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Toluene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,3-Trichlorobenzene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,4-Trichlorobenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,1-Trichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,2-Trichloroethane	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Trichloroethylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Trichlorofluoromethane (Freon 11)	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,3-Trichloropropane	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,2,4-Trimethylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
1,3,5-Trimethylbenzene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Vinyl Chloride	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
m+p Xylene	ND	0.078	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
o-Xylene	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/7/17 15:52	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	96.4	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	102	70-130							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 4:53	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.3	30-150							
Decachlorobiphenyl [2]	80.7	30-150							
Tetrachloro-m-xylene [1]	80.5	30-150							
Tetrachloro-m-xylene [2]	87.6	30-150							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	39	11	mg/Kg dry	1		CTDEP ETPH	8/3/17	8/7/17 0:05	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	72.9		50-150					8/7/17 0:05	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-2

Sampled: 7/27/2017 14:42

Sample ID: 17G1258-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-3

Sampled: 7/27/2017 14:43

Sample ID: 17G1258-05

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	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/4/17	8/15/17 5:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.1	30-150							
Decachlorobiphenyl [2]	88.3	30-150							
Tetrachloro-m-xylene [1]	70.7	30-150							
Tetrachloro-m-xylene [2]	80.1	30-150							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-3

Sampled: 7/27/2017 14:43

Sample ID: 17G1258-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1000	350	mg/Kg dry	20		CTDEP ETPH	8/3/17	8/7/17 0:23	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/7/17 0:23	

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-23-3

Sampled: 7/27/2017 14:43

Sample ID: 17G1258-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: Trip Blank

Sampled: 7/27/2017 15:20

Sample ID: 17G1258-06

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	8/3/17	8/3/17 7:15	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: Trip Blank

Sampled: 7/27/2017 15:20

Sample ID: 17G1258-06

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	8/3/17	8/3/17 7:15	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 7:15	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	101	70-130							
Toluene-d8	105	70-130							
4-Bromofluorobenzene	102	70-130							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC13-SO-DUP-28

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-07

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	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1221 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1232 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1242 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1248 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1254 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1260 [1]	3.5	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1262 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Aroclor-1268 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	8/4/17	8/15/17 9:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.4	30-150						8/15/17 9:52	
Decachlorobiphenyl [2]	75.5	30-150						8/15/17 9:52	
Tetrachloro-m-xylene [1]	80.6	30-150						8/15/17 9:52	
Tetrachloro-m-xylene [2]	88.1	30-150						8/15/17 9:52	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC13-SO-DUP-28

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-07

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	94.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-29

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3500	1100	mg/Kg dry	100		CTDEP ETPH	8/3/17	8/6/17 23:13	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/6/17 23:13	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-29

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Arsenic	3.3	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Barium	31	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Cadmium	0.37	0.26	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Chromium	16	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Copper	70	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Lead	31	0.78	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	8/3/17	8/5/17 13:20	TJK
Nickel	46	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Selenium	ND	5.2	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Silver	ND	0.52	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Vanadium	590	1.0	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW
Zinc	67	1.0	mg/Kg dry	1		SW-846 6010C-D	8/3/17	8/7/17 12:03	QNW

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-29

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-08

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	92.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:01	MRL

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-30

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-09

Sample Matrix: Soil

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	3.6	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Acrylonitrile	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Benzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromodichloromethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromoform	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Bromomethane	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2-Butanone (MEK)	ND	1.5	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
n-Butylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
sec-Butylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
tert-Butylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Carbon Disulfide	ND	0.22	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Carbon Tetrachloride	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chlorodibromomethane	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chloroethane	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chloroform	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Chloromethane	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2-Chlorotoluene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
4-Chlorotoluene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.36	mg/Kg dry	2	V-05	SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dibromoethane (EDB)	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Dibromomethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,3-Dichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,4-Dichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
trans-1,4-Dichloro-2-butene	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1-Dichloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dichloroethane	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1-Dichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
cis-1,2-Dichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
trans-1,2-Dichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2-Dichloropropane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,3-Dichloropropane	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2,2-Dichloropropane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1-Dichloropropene	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
cis-1,3-Dichloropropene	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
trans-1,3-Dichloropropene	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Ethylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Hexachlorobutadiene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
2-Hexanone (MBK)	ND	0.73	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Isopropylbenzene (Cumene)	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-30

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-09

Sample Matrix: Soil

Sample Flags: RL-11

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	0.073	mg/Kg dry	2	L-03, V-05	SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Methylene Chloride	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.73	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Naphthalene	3.9	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
n-Propylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Styrene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,1,2-Tetrachloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.036	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Tetrachloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Tetrahydrofuran	ND	0.73	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Toluene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,3-Trichlorobenzene	ND	0.36	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,4-Trichlorobenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,1-Trichloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,2-Trichloroethane	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Trichloroethylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Trichlorofluoromethane (Freon 11)	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,3-Trichloropropane	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,2,4-Trimethylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
1,3,5-Trimethylbenzene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Vinyl Chloride	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
m+p Xylene	ND	0.15	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
o-Xylene	ND	0.073	mg/Kg dry	2		SW-846 8260C	7/31/17	8/4/17 23:59	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	88.0	70-130						8/4/17 23:59	
Toluene-d8	97.1	70-130						8/4/17 23:59	
4-Bromofluorobenzene	97.2	70-130						8/4/17 23:59	

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: WS-AOC7-SO-DUP-30

Sampled: 7/27/2017 00:00

Sample ID: 17G1258-09

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	70.6		% Wt	1		SM 2540G	8/4/17	8/16/17 14:53	JMG

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/3/17	8/7/17 12:26	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/3/17	8/5/17 13:37	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:26	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 13:37	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	44.2	15-110							
Phenol-d6	29.3	15-110							
Nitrobenzene-d5	78.9	30-130							
Nitrobenzene-d5	81.0	30-130							
2-Fluorobiphenyl	88.4	30-130							
2-Fluorobiphenyl	76.0	30-130							
2,4,6-Tribromophenol	103	15-110							
p-Terphenyl-d14	100	30-130							
p-Terphenyl-d14	69.3	30-130							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1221 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1232 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1242 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1248 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1254 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1260 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1262 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:14	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	29.6	*	30-150		S-12		8/7/17 13:14		
Decachlorobiphenyl [2]	32.5		30-150				8/7/17 13:14		
Tetrachloro-m-xylene [1]	75.5		30-150				8/7/17 13:14		
Tetrachloro-m-xylene [2]	74.5		30-150				8/7/17 13:14		

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/2/17	8/4/17 17:43	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	88.8		50-150					8/4/17 17:43	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB17

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-10

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	8/1/17	8/2/17 14:37	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	8/4/17	8/5/17 11:46	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:37	WSD

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/3/17	8/7/17 12:54	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM

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

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/3/17	8/5/17 14:00	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/3/17	8/7/17 12:54	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/3/17	8/5/17 14:00	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	41.9	15-110							
Phenol-d6	28.8	15-110							
Nitrobenzene-d5	79.4	30-130							
Nitrobenzene-d5	80.2	30-130							
2-Fluorobiphenyl	79.6	30-130							
2-Fluorobiphenyl	84.4	30-130							
2,4,6-Tribromophenol	92.9	15-110							
p-Terphenyl-d14	93.4	30-130							
p-Terphenyl-d14	69.9	30-130							

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	8/3/17	8/7/17 13:27	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	40.0	30-150						8/7/17 13:27	
Decachlorobiphenyl [2]	46.3	30-150						8/7/17 13:27	
Tetrachloro-m-xylene [1]	83.1	30-150						8/7/17 13:27	
Tetrachloro-m-xylene [2]	78.5	30-150						8/7/17 13:27	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/2/17	8/4/17 18:01	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	95.9		50-150					8/4/17 18:01	

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

Sample Description:

Work Order: 17G1258

Date Received: 7/27/2017

Field Sample #: EB18

Sampled: 7/27/2017 08:00

Sample ID: 17G1258-11

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	8/1/17	8/2/17 14:40	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	8/4/17	8/5/17 11:48	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	8/1/17	8/2/17 14:40	WSD

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-01 [WS-AOC7-SO-22-3]	B183276	30.0	1.00	08/03/17
17G1258-02 [WS-AOC7-SO-22-4]	B183276	30.0	1.00	08/03/17
17G1258-04 [WS-AOC7-SO-23-2]	B183276	30.0	1.00	08/03/17
17G1258-05 [WS-AOC7-SO-23-3]	B183276	30.0	1.00	08/03/17
17G1258-08 [WS-AOC7-SO-DUP-29]	B183276	30.0	1.00	08/03/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183110	1000	1.00	08/02/17
17G1258-11 [EB18]	B183110	1000	1.00	08/02/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1258-01 [WS-AOC7-SO-22-3]	B183313	08/04/17
17G1258-02 [WS-AOC7-SO-22-4]	B183313	08/04/17
17G1258-03 [WS-AOC7-SO-23-1]	B183313	08/04/17
17G1258-04 [WS-AOC7-SO-23-2]	B183313	08/04/17
17G1258-05 [WS-AOC7-SO-23-3]	B183313	08/04/17
17G1258-07 [WS-AOC13-SO-DUP-28]	B183313	08/04/17
17G1258-08 [WS-AOC7-SO-DUP-29]	B183313	08/04/17
17G1258-09 [WS-AOC7-SO-DUP-30]	B183313	08/04/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-08 [WS-AOC7-SO-DUP-29]	B183203	1.04	50.0	08/03/17

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183056	50.0	50.0	08/01/17
17G1258-11 [EB18]	B183056	50.0	50.0	08/01/17

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183199	6.00	6.00	08/04/17
17G1258-11 [EB18]	B183199	6.00	6.00	08/04/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-08 [WS-AOC7-SO-DUP-29]	B183214	0.606	50.0	08/03/17

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-01 [WS-AOC7-SO-22-3]	B183351	10.0	10.0	08/04/17
17G1258-02 [WS-AOC7-SO-22-4]	B183351	10.0	10.0	08/04/17
17G1258-03 [WS-AOC7-SO-23-1]	B183351	10.0	10.0	08/04/17
17G1258-04 [WS-AOC7-SO-23-2]	B183351	10.0	10.0	08/04/17
17G1258-05 [WS-AOC7-SO-23-3]	B183351	10.0	10.0	08/04/17
17G1258-07 [WS-AOC13-SO-DUP-28]	B183351	10.0	10.0	08/04/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183192	1020	10.0	08/03/17
17G1258-11 [EB18]	B183192	990	9.50	08/03/17

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
17G1258-09 [WS-AOC7-SO-DUP-30]	B182955	9.73	5.00	0.5	50	07/31/17

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
17G1258-04 [WS-AOC7-SO-23-2]	B183194	8.57	5.93	1	50	08/03/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1258-06 [Trip Blank]	B183261	5.00	10.0	08/03/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183253	1000	1.00	08/03/17
17G1258-11 [EB18]	B183253	1000	1.00	08/03/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G1258-10 [EB17]	B183493	1000	1.00	08/03/17
17G1258-11 [EB18]	B183493	1000	1.00	08/03/17

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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 B182955 - SW-846 5035										
Blank (B182955-BLK1)				Prepared: 07/31/17 Analyzed: 08/04/17						
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							V-05
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							L-03, V-05
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
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Batch B182955 - SW-846 5035
Blank (B182955-BLK1)

Prepared: 07/31/17 Analyzed: 08/04/17

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	0.0228		mg/Kg wet	0.0250		91.0	70-130			
Surrogate: Toluene-d8	0.0241		mg/Kg wet	0.0250		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0238		mg/Kg wet	0.0250		95.2	70-130			

LCS (B182955-BS1)

Prepared: 07/31/17 Analyzed: 08/04/17

Acetone	0.0838	0.057	mg/Kg wet	0.113		74.0	70-130			
Acrylonitrile	0.00938	0.0057	mg/Kg wet	0.0113		82.8	70-130			
Benzene	0.0109	0.0011	mg/Kg wet	0.0113		96.2	70-130			
Bromobenzene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
Bromodichloromethane	0.0114	0.0011	mg/Kg wet	0.0113		100	70-130			
Bromoform	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
Bromomethane	0.00953	0.0023	mg/Kg wet	0.0113		84.1	70-130			
2-Butanone (MEK)	0.0969	0.023	mg/Kg wet	0.113		85.5	70-130			
n-Butylbenzene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
sec-Butylbenzene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
tert-Butylbenzene	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
Carbon Disulfide	0.115	0.0034	mg/Kg wet	0.113		101	70-130			
Carbon Tetrachloride	0.0116	0.0011	mg/Kg wet	0.0113		103	70-130			
Chlorobenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Chlorodibromomethane	0.0121	0.00057	mg/Kg wet	0.0113		107	70-130			
Chloroethane	0.0145	0.0023	mg/Kg wet	0.0113		128	70-130			
Chloroform	0.0111	0.0023	mg/Kg wet	0.0113		98.1	70-130			
Chloromethane	0.0143	0.0023	mg/Kg wet	0.0113		126	70-130			
2-Chlorotoluene	0.00986	0.0011	mg/Kg wet	0.0113		87.0	70-130			
4-Chlorotoluene	0.0114	0.0011	mg/Kg wet	0.0113		101	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.00876	0.0057	mg/Kg wet	0.0113		77.3	70-130			V-05
1,2-Dibromoethane (EDB)	0.0120	0.00057	mg/Kg wet	0.0113		106	70-130			
Dibromomethane	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
1,2-Dichlorobenzene	0.0125	0.0011	mg/Kg wet	0.0113		111	70-130			
1,3-Dichlorobenzene	0.0123	0.0011	mg/Kg wet	0.0113		108	70-130			
1,4-Dichlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
trans-1,4-Dichloro-2-butene	0.0111	0.0023	mg/Kg wet	0.0113		97.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0119	0.0023	mg/Kg wet	0.0113		105	70-130			
1,1-Dichloroethane	0.00918	0.0011	mg/Kg wet	0.0113		81.0	70-130			
1,2-Dichloroethane	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
1,1-Dichloroethylene	0.0102	0.0011	mg/Kg wet	0.0113		89.8	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
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Batch B182955 - SW-846 5035

LCS (B182955-BS1)

Prepared: 07/31/17 Analyzed: 08/04/17

cis-1,2-Dichloroethylene	0.0106	0.0011	mg/Kg wet	0.0113		93.7	70-130			
trans-1,2-Dichloroethylene	0.0102	0.0011	mg/Kg wet	0.0113		89.9	70-130			
1,2-Dichloropropane	0.0111	0.0011	mg/Kg wet	0.0113		98.2	70-130			
1,3-Dichloropropane	0.0114	0.00057	mg/Kg wet	0.0113		101	70-130			
2,2-Dichloropropane	0.0113	0.0011	mg/Kg wet	0.0113		99.4	70-130			
1,1-Dichloropropene	0.0116	0.0023	mg/Kg wet	0.0113		102	70-130			
cis-1,3-Dichloropropene	0.0119	0.00057	mg/Kg wet	0.0113		105	70-130			
trans-1,3-Dichloropropene	0.0103	0.00057	mg/Kg wet	0.0113		90.8	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0129	0.0011	mg/Kg wet	0.0113		114	70-130			
2-Hexanone (MBK)	0.0934	0.011	mg/Kg wet	0.113		82.4	70-130			
Isopropylbenzene (Cumene)	0.0125	0.0011	mg/Kg wet	0.0113		111	70-130			
p-Isopropyltoluene (p-Cymene)	0.0121	0.0011	mg/Kg wet	0.0113		106	70-130			
Methyl tert-Butyl Ether (MTBE)	0.00683	0.0011	mg/Kg wet	0.0113		60.3	70-130	*		L-03, V-05
Methylene Chloride	0.00814	0.0057	mg/Kg wet	0.0113		71.8	70-130			
4-Methyl-2-pentanone (MIBK)	0.101	0.011	mg/Kg wet	0.113		89.2	70-130			
Naphthalene	0.0110	0.0023	mg/Kg wet	0.0113		96.8	70-130			
n-Propylbenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
Styrene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
1,1,1,2-Tetrachloroethane	0.0129	0.0011	mg/Kg wet	0.0113		114	70-130			
1,1,2,2-Tetrachloroethane	0.0121	0.00057	mg/Kg wet	0.0113		107	70-130			
Tetrachloroethylene	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
Tetrahydrofuran	0.00890	0.011	mg/Kg wet	0.0113		78.5	70-130			
Toluene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
1,2,3-Trichlorobenzene	0.0117	0.0057	mg/Kg wet	0.0113		103	70-130			
1,2,4-Trichlorobenzene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1-Trichloroethane	0.0111	0.0011	mg/Kg wet	0.0113		98.2	70-130			
1,1,2-Trichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
Trichloroethylene	0.0123	0.0011	mg/Kg wet	0.0113		109	70-130			
Trichlorofluoromethane (Freon 11)	0.0110	0.0023	mg/Kg wet	0.0113		97.2	70-130			
1,2,3-Trichloropropane	0.0120	0.0023	mg/Kg wet	0.0113		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0112	0.0011	mg/Kg wet	0.0113		99.0	70-130			
1,2,4-Trimethylbenzene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
1,3,5-Trimethylbenzene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Vinyl Chloride	0.0107	0.0023	mg/Kg wet	0.0113		94.4	70-130			
m+p Xylene	0.0251	0.0023	mg/Kg wet	0.0227		111	70-130			
o-Xylene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0255		mg/Kg wet	0.0283		90.1	70-130			
Surrogate: Toluene-d8	0.0276		mg/Kg wet	0.0283		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.0278		mg/Kg wet	0.0283		98.1	70-130			

Batch B183194 - SW-846 5035

Blank (B183194-BLK1)

Prepared: 08/03/17 Analyzed: 08/07/17

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							

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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 B183194 - SW-846 5035										
Blank (B183194-BLK1)				Prepared: 08/03/17 Analyzed: 08/07/17						
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							V-05
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							L-03, V-05
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							
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							

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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 B183194 - SW-846 5035										
Blank (B183194-BLK1)										
Prepared: 08/03/17 Analyzed: 08/07/17										
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	0.0245		mg/Kg wet	0.0250		98.0	70-130			
Surrogate: Toluene-d8	0.0252		mg/Kg wet	0.0250		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0255		mg/Kg wet	0.0250		102	70-130			
LCS (B183194-BS1)										
Prepared: 08/03/17 Analyzed: 08/07/17										
Acetone	0.112	0.057	mg/Kg wet	0.113		98.5	70-130			
Acrylonitrile	0.0101	0.0057	mg/Kg wet	0.0113		89.5	70-130			
Benzene	0.0107	0.0011	mg/Kg wet	0.0113		94.8	70-130			
Bromobenzene	0.0105	0.0011	mg/Kg wet	0.0113		92.9	70-130			
Bromodichloromethane	0.0102	0.0011	mg/Kg wet	0.0113		89.7	70-130			
Bromoform	0.0108	0.0011	mg/Kg wet	0.0113		95.2	70-130			
Bromomethane	0.0187	0.0023	mg/Kg wet	0.0113		165	* 70-130			L-01, V-20
2-Butanone (MEK)	0.115	0.023	mg/Kg wet	0.113		101	70-130			
n-Butylbenzene	0.00884	0.0011	mg/Kg wet	0.0113		78.0	70-130			
sec-Butylbenzene	0.00953	0.0011	mg/Kg wet	0.0113		84.1	70-130			
tert-Butylbenzene	0.00981	0.0011	mg/Kg wet	0.0113		86.6	70-130			
Carbon Disulfide	0.112	0.0034	mg/Kg wet	0.113		98.6	70-130			
Carbon Tetrachloride	0.0112	0.0011	mg/Kg wet	0.0113		98.8	70-130			
Chlorobenzene	0.0110	0.0011	mg/Kg wet	0.0113		97.1	70-130			
Chlorodibromomethane	0.0109	0.00057	mg/Kg wet	0.0113		96.4	70-130			
Chloroethane	0.0109	0.0023	mg/Kg wet	0.0113		96.3	70-130			
Chloroform	0.0106	0.0023	mg/Kg wet	0.0113		93.9	70-130			
Chloromethane	0.0104	0.0023	mg/Kg wet	0.0113		91.8	70-130			
2-Chlorotoluene	0.0103	0.0011	mg/Kg wet	0.0113		91.3	70-130			
4-Chlorotoluene	0.0103	0.0011	mg/Kg wet	0.0113		90.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.00985	0.0057	mg/Kg wet	0.0113		86.9	70-130			
1,2-Dibromoethane (EDB)	0.0114	0.00057	mg/Kg wet	0.0113		100	70-130			
Dibromomethane	0.0112	0.0011	mg/Kg wet	0.0113		99.2	70-130			
1,2-Dichlorobenzene	0.0102	0.0011	mg/Kg wet	0.0113		90.3	70-130			
1,3-Dichlorobenzene	0.0101	0.0011	mg/Kg wet	0.0113		89.4	70-130			
1,4-Dichlorobenzene	0.0101	0.0011	mg/Kg wet	0.0113		89.2	70-130			
trans-1,4-Dichloro-2-butene	0.00831	0.0023	mg/Kg wet	0.0113		73.3	70-130			V-05
Dichlorodifluoromethane (Freon 12)	0.00950	0.0023	mg/Kg wet	0.0113		83.8	70-130			
1,1-Dichloroethane	0.0107	0.0011	mg/Kg wet	0.0113		94.8	70-130			
1,2-Dichloroethane	0.0112	0.0011	mg/Kg wet	0.0113		98.7	70-130			
1,1-Dichloroethylene	0.0108	0.0011	mg/Kg wet	0.0113		95.3	70-130			
cis-1,2-Dichloroethylene	0.00997	0.0011	mg/Kg wet	0.0113		88.0	70-130			
trans-1,2-Dichloroethylene	0.0108	0.0011	mg/Kg wet	0.0113		95.2	70-130			
1,2-Dichloropropane	0.0107	0.0011	mg/Kg wet	0.0113		94.5	70-130			
1,3-Dichloropropane	0.0113	0.00057	mg/Kg wet	0.0113		100	70-130			
2,2-Dichloropropane	0.00575	0.0011	mg/Kg wet	0.0113		50.7	* 70-130			L-03, V-05
1,1-Dichloropropene	0.0111	0.0023	mg/Kg wet	0.0113		98.2	70-130			
cis-1,3-Dichloropropene	0.00951	0.00057	mg/Kg wet	0.0113		83.9	70-130			
trans-1,3-Dichloropropene	0.00960	0.00057	mg/Kg wet	0.0113		84.7	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
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Batch B183194 - SW-846 5035

LCS (B183194-BS1)

Prepared: 08/03/17 Analyzed: 08/07/17

Ethylbenzene	0.0106	0.0011	mg/Kg wet	0.0113		93.7	70-130			
Hexachlorobutadiene	0.0112	0.0011	mg/Kg wet	0.0113		98.7	70-130			
2-Hexanone (MBK)	0.116	0.011	mg/Kg wet	0.113		102	70-130			
Isopropylbenzene (Cumene)	0.0107	0.0011	mg/Kg wet	0.0113		94.3	70-130			
p-Isopropyltoluene (p-Cymene)	0.00972	0.0011	mg/Kg wet	0.0113		85.8	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0111	0.0011	mg/Kg wet	0.0113		97.7	70-130			
Methylene Chloride	0.0105	0.0057	mg/Kg wet	0.0113		92.3	70-130			
4-Methyl-2-pentanone (MIBK)	0.116	0.011	mg/Kg wet	0.113		102	70-130			
Naphthalene	0.00970	0.0023	mg/Kg wet	0.0113		85.6	70-130			
n-Propylbenzene	0.0103	0.0011	mg/Kg wet	0.0113		91.2	70-130			
Styrene	0.0107	0.0011	mg/Kg wet	0.0113		94.8	70-130			
1,1,1,2-Tetrachloroethane	0.0107	0.0011	mg/Kg wet	0.0113		94.2	70-130			
1,1,2,2-Tetrachloroethane	0.0104	0.00057	mg/Kg wet	0.0113		92.0	70-130			
Tetrachloroethylene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
Tetrahydrofuran	0.0107	0.011	mg/Kg wet	0.0113		94.6	70-130			
Toluene	0.0108	0.0011	mg/Kg wet	0.0113		95.6	70-130			
1,2,3-Trichlorobenzene	0.0109	0.0057	mg/Kg wet	0.0113		96.5	70-130			
1,2,4-Trichlorobenzene	0.0109	0.0011	mg/Kg wet	0.0113		96.3	70-130			
1,1,1-Trichloroethane	0.0107	0.0011	mg/Kg wet	0.0113		94.6	70-130			
1,1,2-Trichloroethane	0.0112	0.0011	mg/Kg wet	0.0113		98.9	70-130			
Trichloroethylene	0.0109	0.0011	mg/Kg wet	0.0113		95.8	70-130			
Trichlorofluoromethane (Freon 11)	0.0113	0.0023	mg/Kg wet	0.0113		100	70-130			
1,2,3-Trichloropropane	0.0115	0.0023	mg/Kg wet	0.0113		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0110	0.0011	mg/Kg wet	0.0113		96.8	70-130			
1,2,4-Trimethylbenzene	0.00928	0.0011	mg/Kg wet	0.0113		81.9	70-130			
1,3,5-Trimethylbenzene	0.0102	0.0011	mg/Kg wet	0.0113		90.3	70-130			
Vinyl Chloride	0.0102	0.0023	mg/Kg wet	0.0113		89.8	70-130			
m+p Xylene	0.0212	0.0023	mg/Kg wet	0.0227		93.3	70-130			
o-Xylene	0.0106	0.0011	mg/Kg wet	0.0113		93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0269		mg/Kg wet	0.0250		108	70-130			
Surrogate: Toluene-d8	0.0282		mg/Kg wet	0.0250		113	70-130			
Surrogate: 4-Bromofluorobenzene	0.0291		mg/Kg wet	0.0250		117	70-130			

Batch B183261 - SW-846 5035

Blank (B183261-BLK1)

Prepared & Analyzed: 08/03/17

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							

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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 B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
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							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							

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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 B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0504		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0527		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0516		mg/Kg wet	0.0500		103	70-130			
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
Acetone	0.185	0.10	mg/Kg wet	0.200		92.6	70-130			
Acrylonitrile	0.0258	0.0060	mg/Kg wet	0.0200		129	70-130			
Benzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
Bromobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130			
Bromodichloromethane	0.0175	0.0020	mg/Kg wet	0.0200		87.4	70-130			
Bromoform	0.0161	0.0020	mg/Kg wet	0.0200		80.5	70-130			
Bromomethane	0.0193	0.010	mg/Kg wet	0.0200		96.5	70-130			
2-Butanone (MEK)	0.239	0.040	mg/Kg wet	0.200		120	70-130			
n-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130			
sec-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
Carbon Disulfide	0.202	0.0060	mg/Kg wet	0.200		101	70-130			
Carbon Tetrachloride	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
Chlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130			
Chlorodibromomethane	0.0188	0.0010	mg/Kg wet	0.0200		93.9	70-130			
Chloroethane	0.0169	0.020	mg/Kg wet	0.0200		84.7	70-130			
Chloroform	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
4-Chlorotoluene	0.0177	0.0020	mg/Kg wet	0.0200		88.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
Dibromomethane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,2-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,3-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130			
1,4-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
trans-1,4-Dichloro-2-butene	0.0196	0.0040	mg/Kg wet	0.0200		97.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0222	0.020	mg/Kg wet	0.0200		111	70-130			
1,1-Dichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethylene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130			
cis-1,2-Dichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
trans-1,2-Dichloroethylene	0.0253	0.0020	mg/Kg wet	0.0200		126	70-130			
1,2-Dichloropropane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		101	70-130			
2,2-Dichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.4	70-130			
cis-1,3-Dichloropropene	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
trans-1,3-Dichloropropene	0.0179	0.0010	mg/Kg wet	0.0200		89.4	70-130			
Ethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Hexachlorobutadiene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
2-Hexanone (MBK)	0.229	0.020	mg/Kg wet	0.200		114	70-130			
Isopropylbenzene (Cumene)	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		93.1	70-130			
Methylene Chloride	0.0233	0.020	mg/Kg wet	0.0200		117	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 B183261 - SW-846 5035										
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
4-Methyl-2-pentanone (MIBK)	0.233	0.020	mg/Kg wet	0.200		116	70-130			
Naphthalene	0.0162	0.0040	mg/Kg wet	0.0200		80.9	70-130			
n-Propylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
Styrene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130			
1,1,1,2-Tetrachloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
Tetrahydrofuran	0.0183	0.010	mg/Kg wet	0.0200		91.6	70-130			V-16
Toluene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.8	70-130			
1,2,4-Trichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130			
1,1,1-Trichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2-Trichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Trichlorofluoromethane (Freon 11)	0.0231	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0224	0.010	mg/Kg wet	0.0200		112	70-130			
1,2,4-Trimethylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
1,3,5-Trimethylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		93.8	70-130			
m+p Xylene	0.0376	0.0040	mg/Kg wet	0.0400		94.0	70-130			
o-Xylene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0506		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0531		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.0520		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 B183253 - SW-846 3510C										
Blank (B183253-BLK1)				Prepared: 08/03/17 Analyzed: 08/04/17						
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							R-05
Hexachlorocyclopentadiene	ND	10	µg/L							
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							R-05
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	93.6		µg/L	200		46.8	15-110			
Surrogate: Phenol-d6	62.2		µg/L	200		31.1	15-110			
Surrogate: Nitrobenzene-d5	84.3		µg/L	100		84.3	30-130			
Surrogate: 2-Fluorobiphenyl	82.5		µg/L	100		82.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183253 - SW-846 3510C										
Blank (B183253-BLK1)										
				Prepared: 08/03/17 Analyzed: 08/04/17						
Surrogate: 2,4,6-Tribromophenol	197		µg/L	200		98.4	15-110			
Surrogate: p-Terphenyl-d14	96.1		µg/L	100		96.1	30-130			
LCS (B183253-BS1)										
				Prepared: 08/03/17 Analyzed: 08/04/17						
Aniline	32.1	5.0	µg/L	50.0		64.2	40-140			†
Bis(2-chloroethoxy)methane	36.1	10	µg/L	50.0		72.1	40-140			
Bis(2-chloroethyl)ether	32.2	10	µg/L	50.0		64.4	40-140			
Bis(2-chloroisopropyl)ether	36.3	10	µg/L	50.0		72.6	40-140			
Bis(2-Ethylhexyl)phthalate	38.5	0.0	µg/L	50.0		76.9	40-140			
4-Bromophenylphenylether	37.0	10	µg/L	50.0		73.9	40-140			
Butylbenzylphthalate	38.2	10	µg/L	50.0		76.4	40-140			
Carbazole	32.8	10	µg/L	50.0		65.6	40-140			
4-Chloroaniline	32.6	10	µg/L	50.0		65.2	40-140			†
4-Chloro-3-methylphenol	37.7	10	µg/L	50.0		75.3	30-130			
2-Chloronaphthalene	29.0	10	µg/L	50.0		57.9	40-140			
2-Chlorophenol	31.0	10	µg/L	50.0		62.1	30-130			
4-Chlorophenylphenylether	36.1	10	µg/L	50.0		72.1	40-140			
Dibenzofuran	35.6	5.0	µg/L	50.0		71.3	40-140			
Di-n-butylphthalate	33.6	10	µg/L	50.0		67.2	40-140			
3,3-Dichlorobenzidine	38.8	10	µg/L	50.0		77.6	40-140			†
2,4-Dichlorophenol	34.9	10	µg/L	50.0		69.8	30-130			
Diethylphthalate	36.9	10	µg/L	50.0		73.8	40-140			
2,4-Dimethylphenol	32.8	10	µg/L	50.0		65.6	30-130			
Dimethylphthalate	35.4	10	µg/L	50.0		70.9	40-140			
4,6-Dinitro-2-methylphenol	33.6	10	µg/L	50.0		67.2	30-130			
2,4-Dinitrophenol	32.8	10	µg/L	50.0		65.5	30-130			
2,4-Dinitrotoluene	32.7	10	µg/L	50.0		65.4	40-140			
2,6-Dinitrotoluene	34.4	10	µg/L	50.0		68.9	40-140			
Di-n-octylphthalate	38.1	10	µg/L	50.0		76.2	40-140			
Hexachlorobenzene	35.7	10	µg/L	50.0		71.3	40-140			
Hexachlorobutadiene	36.2	10	µg/L	50.0		72.5	40-140			R-05
Hexachlorocyclopentadiene	26.1	10	µg/L	50.0		52.3	30-140			
Hexachloroethane	32.4	10	µg/L	50.0		64.9	40-140			
Isophorone	37.3	10	µg/L	50.0		74.6	40-140			
2-Methylphenol	28.0	10	µg/L	50.0		56.0	30-130			
3/4-Methylphenol	27.7	10	µg/L	50.0		55.4	30-130			
2-Nitroaniline	36.8	10	µg/L	50.0		73.7	40-140			
3-Nitroaniline	32.3	10	µg/L	50.0		64.6	40-140			†
4-Nitroaniline	33.5	10	µg/L	50.0		67.0	40-140			
Nitrobenzene	35.1	10	µg/L	50.0		70.2	40-140			
2-Nitrophenol	33.6	10	µg/L	50.0		67.3	30-130			
4-Nitrophenol	17.2	10	µg/L	50.0		34.3	10-130			
N-Nitrosodiphenylamine	45.5	10	µg/L	50.0		91.0	40-140			
N-Nitrosodi-n-propylamine	36.3	10	µg/L	50.0		72.7	40-140			
Pentachloronitrobenzene	38.0	10	µg/L	50.0		76.0	40-140			V-16
Pentachlorophenol	29.1	10	µg/L	50.0		58.2	30-130			
Phenol	15.6	10	µg/L	50.0		31.2	20-130			
Pyridine	10.2	5.0	µg/L	50.0		20.4	10-140			†
1,2,4,5-Tetrachlorobenzene	36.5	10	µg/L	50.0		73.0	40-140			
1,2,4-Trichlorobenzene	31.3	5.0	µg/L	50.0		62.5	40-140			R-05
2,4,5-Trichlorophenol	34.4	10	µg/L	50.0		68.9	30-130			
2,4,6-Trichlorophenol	35.7	10	µg/L	50.0		71.4	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183253 - SW-846 3510C										
LCS (B183253-BS1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Surrogate: 2-Fluorophenol	86.5		µg/L	200		43.2	15-110			
Surrogate: Phenol-d6	62.1		µg/L	200		31.0	15-110			
Surrogate: Nitrobenzene-d5	80.5		µg/L	100		80.5	30-130			
Surrogate: 2-Fluorobiphenyl	80.5		µg/L	100		80.5	30-130			
Surrogate: 2,4,6-Tribromophenol	182		µg/L	200		90.9	15-110			
Surrogate: p-Terphenyl-d14	80.7		µg/L	100		80.7	30-130			
LCS Dup (B183253-BSD1)										
Prepared: 08/03/17 Analyzed: 08/04/17										
Aniline	32.2	5.0	µg/L	50.0		64.5	40-140	0.435	50	† ‡
Bis(2-chloroethoxy)methane	34.1	10	µg/L	50.0		68.2	40-140	5.56	20	
Bis(2-chloroethyl)ether	31.3	10	µg/L	50.0		62.6	40-140	2.87	20	
Bis(2-chloroisopropyl)ether	35.2	10	µg/L	50.0		70.4	40-140	3.08	20	
Bis(2-Ethylhexyl)phthalate	34.6	10	µg/L	50.0		69.1	40-140	10.7	20	
4-Bromophenylphenylether	33.1	10	µg/L	50.0		66.3	40-140	10.9	20	
Butylbenzylphthalate	35.6	10	µg/L	50.0		71.2	40-140	7.02	20	
Carbazole	29.6	10	µg/L	50.0		59.3	40-140	10.1	20	
4-Chloroaniline	30.2	10	µg/L	50.0		60.5	40-140	7.54	20	†
4-Chloro-3-methylphenol	36.3	10	µg/L	50.0		72.5	30-130	3.81	20	
2-Chloronaphthalene	25.2	10	µg/L	50.0		50.3	40-140	14.0	20	
2-Chlorophenol	30.8	10	µg/L	50.0		61.6	30-130	0.809	20	
4-Chlorophenylphenylether	32.9	10	µg/L	50.0		65.8	40-140	9.16	20	
Dibenzofuran	32.2	5.0	µg/L	50.0		64.5	40-140	10.1	20	
Di-n-butylphthalate	30.3	10	µg/L	50.0		60.6	40-140	10.3	20	
3,3-Dichlorobenzidine	35.6	10	µg/L	50.0		71.1	40-140	8.69	20	† ‡
2,4-Dichlorophenol	33.1	10	µg/L	50.0		66.2	30-130	5.26	20	
Diethylphthalate	34.4	10	µg/L	50.0		68.8	40-140	7.04	20	
2,4-Dimethylphenol	32.5	10	µg/L	50.0		65.1	30-130	0.857	20	
Dimethylphthalate	32.1	10	µg/L	50.0		64.2	40-140	9.89	50	
4,6-Dinitro-2-methylphenol	29.7	10	µg/L	50.0		59.4	30-130	12.2	50	
2,4-Dinitrophenol	31.3	10	µg/L	50.0		62.6	30-130	4.50	50	
2,4-Dinitrotoluene	30.3	10	µg/L	50.0		60.6	40-140	7.68	20	
2,6-Dinitrotoluene	32.1	10	µg/L	50.0		64.3	40-140	6.88	20	
Di-n-octylphthalate	33.8	10	µg/L	50.0		67.6	40-140	12.0	20	
Hexachlorobenzene	31.6	10	µg/L	50.0		63.2	40-140	12.0	20	
Hexachlorobutadiene	26.8	10	µg/L	50.0		53.5	40-140	30.1 *	20	R-05
Hexachlorocyclopentadiene	22.3	10	µg/L	50.0		44.7	30-140	15.7	50	
Hexachloroethane	24.1	10	µg/L	50.0		48.2	40-140	29.5	50	
Isophorone	35.3	10	µg/L	50.0		70.5	40-140	5.62	20	
2-Methylphenol	26.9	10	µg/L	50.0		53.8	30-130	4.08	20	
3/4-Methylphenol	27.5	10	µg/L	50.0		55.0	30-130	0.580	20	
2-Nitroaniline	34.2	10	µg/L	50.0		68.5	40-140	7.26	20	
3-Nitroaniline	30.3	10	µg/L	50.0		60.6	40-140	6.45	20	†
4-Nitroaniline	31.2	10	µg/L	50.0		62.3	40-140	7.27	20	
Nitrobenzene	33.4	10	µg/L	50.0		66.8	40-140	5.05	20	
2-Nitrophenol	31.7	10	µg/L	50.0		63.5	30-130	5.78	20	
4-Nitrophenol	16.0	10	µg/L	50.0		32.0	10-130	7.00	50	‡
N-Nitrosodiphenylamine	40.4	10	µg/L	50.0		80.9	40-140	11.8	20	
N-Nitrosodi-n-propylamine	35.2	10	µg/L	50.0		70.5	40-140	3.02	20	
Pentachloronitrobenzene	33.4	10	µg/L	50.0		66.8	40-140	13.0	20	V-16
Pentachlorophenol	23.9	10	µg/L	50.0		47.8	30-130	19.7	50	
Phenol	15.9	10	µg/L	50.0		31.7	20-130	1.59	20	
Pyridine	12.8	5.0	µg/L	50.0		25.6	10-140	22.6	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
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Batch B183253 - SW-846 3510C
LCS Dup (B183253-BSD1)

Prepared: 08/03/17 Analyzed: 08/04/17

1,2,4,5-Tetrachlorobenzene	31.0	10	µg/L	50.0		62.1	40-140	16.2	20	
1,2,4-Trichlorobenzene	25.1	5.0	µg/L	50.0		50.3	40-140	21.7	*	R-05
2,4,5-Trichlorophenol	31.9	10	µg/L	50.0		63.9	30-130	7.53	20	
2,4,6-Trichlorophenol	31.6	10	µg/L	50.0		63.1	30-130	12.4	50	
Surrogate: 2-Fluorophenol	88.0		µg/L	200		44.0	15-110			
Surrogate: Phenol-d6	60.4		µg/L	200		30.2	15-110			
Surrogate: Nitrobenzene-d5	75.2		µg/L	100		75.2	30-130			
Surrogate: 2-Fluorobiphenyl	67.5		µg/L	100		67.5	30-130			
Surrogate: 2,4,6-Tribromophenol	160		µg/L	200		79.9	15-110			
Surrogate: p-Terphenyl-d14	73.3		µg/L	100		73.3	30-130			

Batch B183493 - SW-846 3510C
Blank (B183493-BLK1)

Prepared: 08/03/17 Analyzed: 08/04/17

Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	79.4		µg/L	100		79.4	30-130			
Surrogate: 2-Fluorobiphenyl	76.8		µg/L	100		76.8	30-130			
Surrogate: p-Terphenyl-d14	69.3		µg/L	100		69.3	30-130			

LCS (B183493-BS1)

Prepared: 08/03/17 Analyzed: 08/04/17

Acenaphthene (SIM)	42.6	7.5	µg/L	50.0		85.1	40-140			
Acenaphthylene (SIM)	41.8	7.5	µg/L	50.0		83.5	40-140			
Anthracene (SIM)	44.5	5.0	µg/L	50.0		89.0	40-140			
Benzo(a)anthracene (SIM)	43.2	1.2	µg/L	50.0		86.4	40-140			
Benzo(a)pyrene (SIM)	45.6	2.5	µg/L	50.0		91.3	40-140			
Benzo(b)fluoranthene (SIM)	46.4	1.2	µg/L	50.0		92.7	40-140			
Benzo(g,h,i)perylene (SIM)	43.6	12	µg/L	50.0		87.2	40-140			
Benzo(k)fluoranthene (SIM)	45.9	5.0	µg/L	50.0		91.8	40-140			
Chrysene (SIM)	43.3	5.0	µg/L	50.0		86.6	40-140			
Dibenz(a,h)anthracene (SIM)	44.4	5.0	µg/L	50.0		88.7	40-140			
Fluoranthene (SIM)	43.6	12	µg/L	50.0		87.2	40-140			
Fluorene (SIM)	43.4	25	µg/L	50.0		86.9	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	43.6	5.0	µg/L	50.0		87.2	40-140			
2-Methylnaphthalene (SIM)	40.9	25	µg/L	50.0		81.8	40-140			
Naphthalene (SIM)	39.9	25	µg/L	50.0		79.8	40-140			
Phenanthrene (SIM)	43.8	1.2	µg/L	50.0		87.6	40-140			
Pyrene (SIM)	43.8	25	µg/L	50.0		87.6	40-140			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183493 - SW-846 3510C										
LCS (B183493-BS1)					Prepared: 08/03/17 Analyzed: 08/04/17					
Surrogate: Nitrobenzene-d5	86.3		µg/L	100		86.3	30-130			
Surrogate: 2-Fluorobiphenyl	95.8		µg/L	100		95.8	30-130			
Surrogate: p-Terphenyl-d14	76.0		µg/L	100		76.0	30-130			
LCS Dup (B183493-BS1)					Prepared: 08/03/17 Analyzed: 08/04/17					
Acenaphthene (SIM)	40.6	7.5	µg/L	50.0		81.2	40-140	4.69	20	
Acenaphthylene (SIM)	39.7	7.5	µg/L	50.0		79.4	40-140	4.97	20	
Anthracene (SIM)	43.0	5.0	µg/L	50.0		86.0	40-140	3.43	20	
Benzo(a)anthracene (SIM)	41.6	1.2	µg/L	50.0		83.2	40-140	3.72	20	
Benzo(a)pyrene (SIM)	44.0	2.5	µg/L	50.0		88.1	40-140	3.57	20	
Benzo(b)fluoranthene (SIM)	44.6	1.2	µg/L	50.0		89.3	40-140	3.74	20	
Benzo(g,h,i)perylene (SIM)	42.0	12	µg/L	50.0		84.0	40-140	3.74	20	
Benzo(k)fluoranthene (SIM)	44.2	5.0	µg/L	50.0		88.4	40-140	3.83	20	
Chrysene (SIM)	41.8	5.0	µg/L	50.0		83.6	40-140	3.47	20	
Dibenz(a,h)anthracene (SIM)	42.4	5.0	µg/L	50.0		84.7	40-140	4.61	20	
Fluoranthene (SIM)	42.2	12	µg/L	50.0		84.4	40-140	3.32	20	
Fluorene (SIM)	42.0	25	µg/L	50.0		84.0	40-140	3.45	20	
Indeno(1,2,3-cd)pyrene (SIM)	41.6	5.0	µg/L	50.0		83.3	40-140	4.52	20	‡
2-Methylnaphthalene (SIM)	37.6	25	µg/L	50.0		75.2	40-140	8.47	20	
Naphthalene (SIM)	35.6	25	µg/L	50.0		71.2	40-140	11.5	20	
Phenanthrene (SIM)	42.2	1.2	µg/L	50.0		84.4	40-140	3.72	20	
Pyrene (SIM)	41.8	25	µg/L	50.0		83.7	40-140	4.55	20	
Surrogate: Nitrobenzene-d5	85.6		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	86.5		µg/L	100		86.5	30-130			
Surrogate: p-Terphenyl-d14	70.3		µg/L	100		70.3	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 B183192 - SW-846 3510C										
Blank (B183192-BLK1)										
Prepared & Analyzed: 08/03/17										
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	2.15		µg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.31		µg/L	2.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.89		µg/L	2.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.98		µg/L	2.00		99.2	30-150			
LCS (B183192-BS1)										
Prepared & Analyzed: 08/03/17										
Aroclor-1016	0.55	0.20	µg/L	0.500		110	40-140			
Aroclor-1016 [2C]	0.64	0.20	µg/L	0.500		128	40-140			
Aroclor-1260	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260 [2C]	0.61	0.20	µg/L	0.500		121	40-140			
Surrogate: Decachlorobiphenyl	2.16		µg/L	2.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.33		µg/L	2.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.00		µg/L	2.00		100	30-150			
LCS Dup (B183192-BSD1)										
Prepared & Analyzed: 08/03/17										
Aroclor-1016	0.58	0.20	µg/L	0.500		115	40-140	4.87	20	
Aroclor-1016 [2C]	0.68	0.20	µg/L	0.500		137	40-140	6.39	20	
Aroclor-1260	0.53	0.20	µg/L	0.500		105	40-140	1.89	20	
Aroclor-1260 [2C]	0.64	0.20	µg/L	0.500		129	40-140	6.02	20	
Surrogate: Decachlorobiphenyl	2.14		µg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.32		µg/L	2.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.87		µg/L	2.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.99		µg/L	2.00		99.6	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183351 - SW-846 3540C
Blank (B183351-BLK1)

Prepared: 08/04/17 Analyzed: 08/14/17

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	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.169		mg/Kg wet	0.200		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.159		mg/Kg wet	0.200		79.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.167		mg/Kg wet	0.200		83.6	30-150			

LCS (B183351-BS1)

Prepared: 08/04/17 Analyzed: 08/14/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.1	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.1	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.4	40-140			
Surrogate: Decachlorobiphenyl	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.197		mg/Kg wet	0.200		98.4	30-150			

LCS Dup (B183351-BS1)

Prepared: 08/04/17 Analyzed: 08/14/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.5	40-140	1.61	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.6	40-140	0.260	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.4	40-140	0.315	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		87.9	40-140	0.476	30	
Surrogate: Decachlorobiphenyl	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.196		mg/Kg wet	0.200		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		95.9	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 B183110 - SW-846 3510C										
Blank (B183110-BLK1)				Prepared: 08/02/17 Analyzed: 08/03/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0867		mg/L	0.100		86.7	50-150			
LCS (B183110-BS1)				Prepared: 08/02/17 Analyzed: 08/03/17						
CT ETPH	0.652	0.075	mg/L	1.00		65.2	60-120			
Surrogate: o-Terphenyl	0.0693		mg/L	0.100		69.3	50-150			
LCS Dup (B183110-BSD1)				Prepared: 08/02/17 Analyzed: 08/03/17						
CT ETPH	0.684	0.075	mg/L	1.00		68.4	60-120	4.88	30	
Surrogate: o-Terphenyl	0.0681		mg/L	0.100		68.1	50-150			
Batch B183276 - SW-846 3546										
Blank (B183276-BLK1)				Prepared: 08/03/17 Analyzed: 08/04/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.29		mg/Kg wet	3.33		98.8	50-150			
LCS (B183276-BS1)				Prepared: 08/03/17 Analyzed: 08/04/17						
CT ETPH	28.8	10	mg/Kg wet	33.3		86.3	60-120			
Surrogate: o-Terphenyl	2.70		mg/Kg wet	3.33		80.9	50-150			
LCS Dup (B183276-BSD1)				Prepared: 08/03/17 Analyzed: 08/04/17						
CT ETPH	30.5	10	mg/Kg wet	33.3		91.6	60-120	5.93	30	
Surrogate: o-Terphenyl	2.84		mg/Kg wet	3.33		85.3	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
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Batch B183056 - SW-846 3005A
Blank (B183056-BLK1)

Prepared: 08/01/17 Analyzed: 08/02/17

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 (B183056-BS1)

Prepared: 08/01/17 Analyzed: 08/02/17

Antimony	259	5.0	µg/L	250		104	80-120			
Arsenic	252	2.0	µg/L	250		101	80-120			
Barium	253	50	µg/L	250		101	80-120			
Beryllium	254	2.0	µg/L	250		102	80-120			
Cadmium	250	2.5	µg/L	250		100	80-120			
Chromium	253	5.0	µg/L	250		101	80-120			
Copper	251	25	µg/L	250		100	80-120			
Lead	255	5.0	µg/L	250		102	80-120			
Nickel	251	25	µg/L	250		101	80-120			
Selenium	241	25	µg/L	250		96.6	80-120			
Silver	258	2.5	µg/L	250		103	80-120			
Thallium	245	1.0	µg/L	250		97.9	80-120			
Vanadium	253	25	µg/L	250		101	80-120			
Zinc	244	50	µg/L	250		97.6	80-120			

LCS Dup (B183056-BSD1)

Prepared: 08/01/17 Analyzed: 08/02/17

Antimony	262	5.0	µg/L	250		105	80-120	0.945	20	
Arsenic	257	2.0	µg/L	250		103	80-120	1.78	20	
Barium	258	50	µg/L	250		103	80-120	1.86	20	
Beryllium	258	2.0	µg/L	250		103	80-120	1.82	20	
Cadmium	255	2.5	µg/L	250		102	80-120	1.66	20	
Chromium	260	5.0	µg/L	250		104	80-120	2.63	20	
Copper	259	25	µg/L	250		104	80-120	3.10	20	
Lead	261	5.0	µg/L	250		104	80-120	2.15	20	
Nickel	260	25	µg/L	250		104	80-120	3.19	20	
Selenium	243	25	µg/L	250		97.4	80-120	0.813	20	
Silver	265	2.5	µg/L	250		106	80-120	2.69	20	
Thallium	248	1.0	µg/L	250		99.1	80-120	1.28	20	
Vanadium	259	25	µg/L	250		104	80-120	2.26	20	
Zinc	249	50	µg/L	250		99.8	80-120	2.19	20	

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183199 - SW-846 7470A Prep
Blank (B183199-BLK1)

Prepared: 08/04/17 Analyzed: 08/05/17

Mercury	ND	0.00010	mg/L							
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LCS (B183199-BS1)

Prepared: 08/04/17 Analyzed: 08/05/17

Mercury	0.00192	0.00010	mg/L	0.00200		95.8	80-120			
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LCS Dup (B183199-BSD1)

Prepared: 08/04/17 Analyzed: 08/05/17

Mercury	0.00184	0.00010	mg/L	0.00200		92.2	80-120	3.86	20	
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Batch B183203 - SW-846 3050B
Blank (B183203-BLK1)

Prepared: 08/03/17 Analyzed: 08/07/17

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 (B183203-BS1)

Prepared: 08/03/17 Analyzed: 08/07/17

Antimony	72.0	5.0	mg/Kg wet	88.2		81.6	0-210.3			
Arsenic	55.2	5.0	mg/Kg wet	57.0		96.8	77.8-122.1			
Barium	108	5.0	mg/Kg wet	110		98.2	82-117.4			
Beryllium	68.1	0.50	mg/Kg wet	67.5		101	82.3-117.7			
Cadmium	77.4	0.50	mg/Kg wet	77.8		99.5	81.9-118.2			
Chromium	63.7	1.0	mg/Kg wet	65.0		97.9	78.7-120.6			
Copper	58.6	1.0	mg/Kg wet	56.4		104	80.4-119.6			
Lead	84.3	1.5	mg/Kg wet	85.6		98.5	82.4-117.8			
Nickel	59.7	1.0	mg/Kg wet	61.3		97.3	82.2-117.8			
Selenium	75.4	10	mg/Kg wet	78.9		95.6	77.1-122.3			
Silver	54.1	1.0	mg/Kg wet	54.2		99.7	74.3-125.4			
Thallium	192	5.0	mg/Kg wet	178		108	78.2-121.6			
Vanadium	54.6	2.0	mg/Kg wet	56.3		96.9	64.8-135.2			
Zinc	191	2.0	mg/Kg wet	198		96.5	79.7-120.8			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183203 - SW-846 3050B
LCS Dup (B183203-BSD1)

Prepared: 08/03/17 Analyzed: 08/07/17

Antimony	69.8	5.1	mg/Kg wet	88.2		79.1	0-210.3	3.12	30	
Arsenic	56.0	5.1	mg/Kg wet	57.0		98.2	77.8-122.1	1.41	30	
Barium	106	5.1	mg/Kg wet	110		96.6	82-117.4	1.62	30	
Beryllium	67.7	0.51	mg/Kg wet	67.5		100	82.3-117.7	0.566	30	
Cadmium	78.4	0.51	mg/Kg wet	77.8		101	81.9-118.2	1.24	30	
Chromium	62.3	1.0	mg/Kg wet	65.0		95.8	78.7-120.6	2.18	30	
Copper	58.8	1.0	mg/Kg wet	56.4		104	80.4-119.6	0.296	30	
Lead	82.9	1.5	mg/Kg wet	85.6		96.9	82.4-117.8	1.69	30	
Nickel	60.9	1.0	mg/Kg wet	61.3		99.3	82.2-117.8	2.05	30	
Selenium	75.6	10	mg/Kg wet	78.9		95.8	77.1-122.3	0.247	30	
Silver	53.7	1.0	mg/Kg wet	54.2		99.1	74.3-125.4	0.626	30	
Thallium	189	5.1	mg/Kg wet	178		106	78.2-121.6	1.54	30	
Vanadium	52.7	2.0	mg/Kg wet	56.3		93.5	64.8-135.2	3.54	30	
Zinc	190	2.0	mg/Kg wet	198		96.1	79.7-120.8	0.393	30	

MRL Check (B183203-MRL1)

Prepared: 08/03/17 Analyzed: 08/07/17

Lead	0.863	0.72	mg/Kg wet	0.722		120	80-120			
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Batch B183214 - SW-846 7471
Blank (B183214-BLK1)

Prepared: 08/03/17 Analyzed: 08/05/17

Mercury	ND	0.025	mg/Kg wet							
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LCS (B183214-BS1)

Prepared: 08/03/17 Analyzed: 08/05/17

Mercury	9.76	1.9	mg/Kg wet	9.36		104	73.7-126.3			
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LCS Dup (B183214-BSD1)

Prepared: 08/03/17 Analyzed: 08/05/17

Mercury	9.10	1.9	mg/Kg wet	9.36		97.2	73.7-126.3	7.05	30	
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183313 - % Solids
Duplicate (B183313-DUP2)
Source: 17G1258-01

Prepared: 08/04/17 Analyzed: 08/05/17

% Solids	89.6		% Wt		89.7			0.112	20	
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-DUP-28

Lab Sample ID: 17G1258-07 Date(s) Analyzed 08/15/2017 08/15/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	3.5	
	2	0.000	-0.030	0.030	3.3	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B183192-BS1 Date(s) Analyzed 08/03/2017 08/03/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.64	15.1
Aroclor-1260	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.61	15.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B183192-BSD1 Date(s) Analyzed 08/03/2017 08/03/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.58	
	2	0.000	0.000	0.000	0.68	15.9
Aroclor-1260	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.64	18.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B183351-BS1 Date(s) Analyzed 08/14/2017 08/14/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.17	11.1

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B183351-BSD1 Date(s) Analyzed 08/14/2017 08/14/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-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.
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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.
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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT
<i>SW-846 6010C-D in Soil</i>	
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
<i>SW-846 6020A-B in Water</i>	
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
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
<i>SW-846 8270D in Water</i>	
Aniline	CT,NY
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
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	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
Phenol	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 Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



1761258
 Phone: 413-525-2332
 Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotiak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOCT-SO-22-3	7/27/17	14:39				
2	WS-AOCT-SO-22-4		14:40				
3	WS-AOCT-SO-23-1		14:41				
4	WS-AOCT-SO-23-2		14:42				
5	WS-AOCT-SO-23-3		14:43				
6	TRIP BLANK	7/27/17	15:20				

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

Rush Approval Required	1-Day	3-Day	4-Day
Other:	☐	☐	☐

Data Delivery	Format: PDF	EXCEL
Other:	☒	☐

Enhanced Data Package Required:	Email To:	Fax To #:
☐	beelerm@wseinc.com	

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements:

MA

CT

Other:

RES DEC

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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 7/27/17 Time 1945
How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____
Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.0, 2.3, 2.1
By Blank # _____ Actual Temp - _____
Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? _____
Are there Rushes? N/A Who was notified? _____
Are there Short Holds? N/A Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>12</u>	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	<u>227</u>
Meoh-	<u>3</u>	250 mL Amb.		250 mL Plastic	<u>2</u>	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	<u>6</u>	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: <u>7/27/17 1945</u>	
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\A080417\A0804042.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804042.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	496930	540759	-8
c - 10	1.43	504684	540759	-7
c - 12	2.16	531774	540759	-2
c - 14	2.84	548652	540759	1
c - 16	3.44	561658	540759	4
c - 18	4.02	556185	540759	3
o-Terphenyl	4.30	591043	540759	
c - 20	4.63	564764	540759	4
c - 22	5.15	571232	540759	6
c - 24	5.60	531546	540759	-2
c - 26	6.00	557639	540759	3
c - 28	6.36	545631	540759	1
c - 30	6.69	541457	540759	0
c - 32	7.00	529841	540759	-2
c - 34	7.30	534051	540759	-1
c - 36	7.58	535342	540759	-1

* One compound allowed %D <= 50%

Samples

17G1258-10
 17G1258-11
 17G1188-01
 17G1188-02
 17G1188-03

D:\HPCHEM\1\DATA\A080417\A0804078.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/4/17
 Data File Name A0804078.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	451447	495950	-9
c - 10	1.43	453087	495950	-9
c - 12	2.16	479235	495950	-3
c - 14	2.84	491947	495950	-1
c - 16	3.44	506893	495950	2
c - 18	4.02	504487	495950	2
o-Terphenyl	4.31	554881	495950	
c - 20	4.63	517031	495950	4
c - 22	5.15	526767	495950	6
c - 24	5.60	494638	495950	0
c - 26	5.99	520797	495950	5
c - 28	6.35	509017	495950	3
c - 30	6.69	504152	495950	2
c - 32	7.00	490587	495950	-1
c - 34	7.29	493940	495950	0
c - 36	7.58	495218	495950	0

* One compound allowed %D <= 50%

Samples

17G1257-13
 17G1257-18
 17G1254-18
 17G1169-17
 17G1075-10@5X
 17G1075-13@5X
 17G1172-11
 17G1074-19
 17G1074-06@10X
 17G1074-09@10X
 17G1077-17RE1@20X

D:\HPCHEM\1\DATA\A080617\A0806006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	396420	435896	-9
c - 10	1.64	401324	435896	-8
c - 12	2.37	415700	435896	-5
c - 14	3.04	427710	435896	-2
c - 16	3.65	441238	435896	1
c - 18	4.29	439544	435896	1
o-Terphenyl	4.57	487396	435896	
c - 20	4.89	449397	435896	3
c - 22	5.40	460053	435896	6
c - 24	5.84	432109	435896	-1
c - 26	6.23	457570	435896	5
c - 28	6.59	452358	435896	4
c - 30	6.93	450754	435896	3
c - 32	7.24	439754	435896	1
c - 34	7.54	441393	435896	1
c - 36	7.89	433119	435896	-1

* One compound allowed %D <= 50%

Samples

17G1252-02
 17G1073-16@5X
 17G1171-20@50X

D:\HPCHEM\1\DATA\A080617\A0806060.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806060.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	395677	432339	-8
c - 10	1.64	400720	432339	-7
c - 12	2.37	413483	432339	-4
c - 14	3.05	425031	432339	-2
c - 16	3.66	438429	432339	1
c - 18	4.29	436657	432339	1
o-Terphenyl	4.57	485024	432339	
c - 20	4.89	444922	432339	3
c - 22	5.40	454087	432339	5
c - 24	5.84	425652	432339	-2
c - 26	6.24	450486	432339	4
c - 28	6.60	446427	432339	3
c - 30	6.93	446559	432339	3
c - 32	7.24	437863	432339	1
c - 34	7.54	438057	432339	1
c - 36	7.89	431036	432339	0

* One compound allowed %D <= 50%

Samples

17G1252-07@10X
 17G1252-19@10X
 17G1258-08@100X
 17G1252-09
 17G1258-04
 17G1252-14

8/7/17 9:55 AM

D:\HPCHEM\1\DATA\A080617.SEC\A0806007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	498947	548960	-9
c - 10	1.63	504890	548960	-8
c - 12	2.35	523064	548960	-5
c - 14	3.01	538273	548960	-2
c - 16	3.62	554877	548960	1
c - 18	4.23	552045	548960	1
o-Terphenyl	4.51	617304	548960	
c - 20	4.84	564142	548960	3
c - 22	5.34	578309	548960	5
c - 24	5.78	544489	548960	-1
c - 26	6.17	578509	548960	5
c - 28	6.53	572642	548960	4
c - 30	6.86	570509	548960	4
c - 32	7.17	554065	548960	1
c - 34	7.47	553258	548960	1
c - 36	7.78	546376	548960	0

* One compound allowed %D <= 50%

Samples

17G1310-01
 17G1310-02
 17G1439-01
 17H0092-01
 17H0092-02

D:\HPCHEM\1\DATA\A080617.SEC\A0806061.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/6/17
 Data File Name A0806061.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	517970	566638	-9
c - 10	1.63	523932	566638	-8
c - 12	2.35	540830	566638	-5
c - 14	3.02	555805	566638	-2
c - 16	3.62	572903	566638	1
c - 18	4.23	569699	566638	1
o-Terphenyl	4.52	638062	566638	
c - 20	4.84	581877	566638	3
c - 22	5.35	595392	566638	5
c - 24	5.78	559920	566638	-1
c - 26	6.17	594228	566638	5
c - 28	6.53	589070	566638	4
c - 30	6.86	588717	566638	4
c - 32	7.17	573707	566638	1
c - 34	7.47	571397	566638	1
c - 36	7.78	564127	566638	0

* One compound allowed %D <= 50%

Samples

17G1255-07@100X
 17G1255-11@100X
 17G1256-07@20X
 17G1256-08@100X
 17G1256-14@5X
 17G1256-18@5X
 17G1258-01@5X
 17G1258-02@5X
 17G1258-05@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: 17G1258

Laboratory Sample ID(s):
17G1258-01 thru 17G1258-11

Sample Date(s):
07/27/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/16/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 21, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17G1308

Enclosed are results of analyses for samples received by the laboratory on July 28, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 8/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1308

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-AOC7-SO-17-1	17G1308-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-17-2	17G1308-02	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-17-3	17G1308-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-16-1	17G1308-04	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-16-2	17G1308-05	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-16-3	17G1308-06	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-19-1	17G1308-07	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-19-2	17G1308-08	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-19-3	17G1308-09	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-18-1	17G1308-10	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC7-SO-18-2	17G1308-11	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C	
WS-AOC7-SO-18-3	17G1308-12	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC9-SO-16-1	17G1308-13	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-16-2	17G1308-14	Soil		SM 2540G SW-846 8082A	

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

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

REPORT DATE: 8/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1308

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-16-3	17G1308-15	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-14-1	17G1308-16	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-14-2	17G1308-17	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-14-3	17G1308-18	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC9-SO-15-1	17G1308-19	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-15-2	17G1308-20	Soil		SM 2540G SW-846 8082A	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

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**

B183449-BS1

S-01

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

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

17G1308-03[WS-AOC7-SO-17-3], 17G1308-05[WS-AOC7-SO-16-2]

SW-846 8082A**Qualifications:****MS-12**

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

Analyte & Samples(s) Qualified:**Aroclor-1016 [2C]**

B183511-MS1, B183511-MSD1

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-1

Sampled: 7/28/2017 11:50

Sample ID: 17G1308-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:40	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.9	30-150							
Decachlorobiphenyl [2]	99.5	30-150							
Tetrachloro-m-xylene [1]	90.6	30-150							
Tetrachloro-m-xylene [2]	98.5	30-150							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-1

Sampled: 7/28/2017 11:50

Sample ID: 17G1308-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	250	58	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 17:16	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	69.3		50-150					8/8/17 17:16	

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: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-1

Sampled: 7/28/2017 11:50

Sample ID: 17G1308-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-2

Sampled: 7/28/2017 11:52

Sample ID: 17G1308-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1260 [2]	0.33	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 15:58	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.3	30-150							
Decachlorobiphenyl [2]	86.2	30-150							
Tetrachloro-m-xylene [1]	79.5	30-150							
Tetrachloro-m-xylene [2]	89.9	30-150							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-2

Sampled: 7/28/2017 11:52

Sample ID: 17G1308-02

Sample Matrix: Soil

Petrolium Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1000	130	mg/Kg dry	10		CTDEP ETPH	8/7/17	8/8/17 17:34	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	62.6		50-150				8/8/17 17:34		

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: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-2

Sampled: 7/28/2017 11:52

Sample ID: 17G1308-02

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	75.8		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-3

Sampled: 7/28/2017 11:54

Sample ID: 17G1308-03

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	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1254 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:15	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.0	30-150						8/19/17 16:15	
Decachlorobiphenyl [2]	93.0	30-150						8/19/17 16:15	
Tetrachloro-m-xylene [1]	81.7	30-150						8/19/17 16:15	
Tetrachloro-m-xylene [2]	90.3	30-150						8/19/17 16:15	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-3

Sampled: 7/28/2017 11:54

Sample ID: 17G1308-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	770	480	mg/Kg dry	25		CTDEP ETPH	8/7/17	8/9/17 12:57	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/9/17 12:57	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-17-3

Sampled: 7/28/2017 11:54

Sample ID: 17G1308-03

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	51.6		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-1

Sampled: 7/28/2017 12:00

Sample ID: 17G1308-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:33	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.4	30-150							
Decachlorobiphenyl [2]	100	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	112	30-150							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-1

Sampled: 7/28/2017 12:00

Sample ID: 17G1308-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	150	56	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 18:45	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	74.7		50-150					8/8/17 18:45	

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-1

Sampled: 7/28/2017 12:00

Sample ID: 17G1308-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-2

Sampled: 7/28/2017 12:02

Sample ID: 17G1308-05

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	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 16:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.9	30-150							
Decachlorobiphenyl [2]	100	30-150							
Tetrachloro-m-xylene [1]	92.3	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-2

Sampled: 7/28/2017 12:02

Sample ID: 17G1308-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	710	320	mg/Kg dry	25		CTDEP ETPH	8/7/17	8/9/17 12:40	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/9/17 12:40	

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-2

Sampled: 7/28/2017 12:02

Sample ID: 17G1308-05

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	78.4		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-3

Sampled: 7/28/2017 12:04

Sample ID: 17G1308-06

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	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1260 [2]	0.22	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:09	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.2	30-150							
Decachlorobiphenyl [2]	97.9	30-150							
Tetrachloro-m-xylene [1]	87.7	30-150							
Tetrachloro-m-xylene [2]	94.6	30-150							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-3

Sampled: 7/28/2017 12:04

Sample ID: 17G1308-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	670	68	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 17:16	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	54.2		50-150					8/8/17 17:16	

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: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-16-3

Sampled: 7/28/2017 12:04

Sample ID: 17G1308-06

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	73.9		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-1

Sampled: 7/28/2017 11:00

Sample ID: 17G1308-07

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	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:26	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.4	30-150						8/19/17 17:26	
Decachlorobiphenyl [2]	85.1	30-150						8/19/17 17:26	
Tetrachloro-m-xylene [1]	88.2	30-150						8/19/17 17:26	
Tetrachloro-m-xylene [2]	96.3	30-150						8/19/17 17:26	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-1

Sampled: 7/28/2017 11:00

Sample ID: 17G1308-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	140	100	mg/Kg dry	10		CTDEP ETPH	8/7/17	8/8/17 17:34	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	57.8		50-150					8/8/17 17:34	

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: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-1

Sampled: 7/28/2017 11:00

Sample ID: 17G1308-07

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	98.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-2

Sampled: 7/28/2017 11:02

Sample ID: 17G1308-08

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	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 17:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.4	30-150						8/19/17 17:44	
Decachlorobiphenyl [2]	80.9	30-150						8/19/17 17:44	
Tetrachloro-m-xylene [1]	83.6	30-150						8/19/17 17:44	
Tetrachloro-m-xylene [2]	93.4	30-150						8/19/17 17:44	

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-2

Sampled: 7/28/2017 11:02

Sample ID: 17G1308-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	750	120	mg/Kg dry	10		CTDEP ETPH	8/7/17	8/8/17 17:52	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	69.3		50-150					8/8/17 17:52	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-2

Sampled: 7/28/2017 11:02

Sample ID: 17G1308-08

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	85.2		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-3

Sampled: 7/28/2017 11:04

Sample ID: 17G1308-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:02	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.1	30-150							
Decachlorobiphenyl [2]	81.7	30-150							
Tetrachloro-m-xylene [1]	85.2	30-150							
Tetrachloro-m-xylene [2]	94.7	30-150							

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-3

Sampled: 7/28/2017 11:04

Sample ID: 17G1308-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	370	56	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 18:10	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	64.0		50-150					8/8/17 18:10	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-19-3

Sampled: 7/28/2017 11:04

Sample ID: 17G1308-09

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	88.5		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-1

Sampled: 7/28/2017 09:40

Sample ID: 17G1308-10

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	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1260 [2]	0.16	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.9	30-150							
Decachlorobiphenyl [2]	83.2	30-150							
Tetrachloro-m-xylene [1]	86.7	30-150							
Tetrachloro-m-xylene [2]	93.8	30-150							

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-1

Sampled: 7/28/2017 09:40

Sample ID: 17G1308-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	51	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 18:27	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	65.9		50-150					8/8/17 18:27	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-1

Sampled: 7/28/2017 09:40

Sample ID: 17G1308-10

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	97.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-2

Sampled: 7/28/2017 09:42

Sample ID: 17G1308-11

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	0.079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Acrylonitrile	ND	0.0048	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
2-Butanone (MEK)	ND	0.032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Carbon Disulfide	ND	0.0048	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Chlorodibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Chloroform	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2-Dibromoethane (EDB)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
trans-1,4-Dichloro-2-butene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1-Dichloroethylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-2

Sampled: 7/28/2017 09:42

Sample ID: 17G1308-11

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	0.0032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Naphthalene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
m+p Xylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:54	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	92.5	70-130							
Toluene-d8	92.6	70-130							
4-Bromofluorobenzene	90.2	70-130							

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-2

Sampled: 7/28/2017 09:42

Sample ID: 17G1308-11

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	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.6	30-150							
Decachlorobiphenyl [2]	84.3	30-150							
Tetrachloro-m-xylene [1]	85.3	30-150							
Tetrachloro-m-xylene [2]	93.7	30-150							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-2

Sampled: 7/28/2017 09:42

Sample ID: 17G1308-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	190	64	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 18:45	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	71.9		50-150					8/8/17 18:45	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-2

Sampled: 7/28/2017 09:42

Sample ID: 17G1308-11

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	78.4		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-3

Sampled: 7/28/2017 09:44

Sample ID: 17G1308-12

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	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 18:55	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.7	30-150						8/19/17 18:55	
Decachlorobiphenyl [2]	80.2	30-150						8/19/17 18:55	
Tetrachloro-m-xylene [1]	76.8	30-150						8/19/17 18:55	
Tetrachloro-m-xylene [2]	82.6	30-150						8/19/17 18:55	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-3

Sampled: 7/28/2017 09:44

Sample ID: 17G1308-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	91	12	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 19:39	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	75.7		50-150					8/8/17 19:39	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC7-SO-18-3

Sampled: 7/28/2017 09:44

Sample ID: 17G1308-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-16-1

Sampled: 7/28/2017 12:30

Sample ID: 17G1308-13

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	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1254 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1260 [2]	2.8	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Aroclor-1268 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:07	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.1	30-150							
Decachlorobiphenyl [2]	109	30-150							
Tetrachloro-m-xylene [1]	90.1	30-150							
Tetrachloro-m-xylene [2]	104	30-150							

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-16-1

Sampled: 7/28/2017 12:30

Sample ID: 17G1308-13

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	92.5		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-16-2

Sampled: 7/28/2017 12:32

Sample ID: 17G1308-14

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	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1254 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1260 [2]	6.1	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/20/17 16:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.5	30-150							
Decachlorobiphenyl [2]	117	30-150							
Tetrachloro-m-xylene [1]	88.0	30-150							
Tetrachloro-m-xylene [2]	105	30-150							

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-16-2

Sampled: 7/28/2017 12:32

Sample ID: 17G1308-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-16-3

Sampled: 7/28/2017 12:34

Sample ID: 17G1308-15

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	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1221 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1232 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1242 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1248 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1254 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1260 [1]	3.9	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1262 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Aroclor-1268 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	8/7/17	8/20/17 16:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.8	30-150						8/20/17 16:32	
Decachlorobiphenyl [2]	111	30-150						8/20/17 16:32	
Tetrachloro-m-xylene [1]	93.2	30-150						8/20/17 16:32	
Tetrachloro-m-xylene [2]	107	30-150						8/20/17 16:32	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-16-3

Sampled: 7/28/2017 12:34

Sample ID: 17G1308-15

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	85.8		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-1

Sampled: 7/28/2017 12:35

Sample ID: 17G1308-16

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	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1260 [2]	0.19	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 20:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.5	30-150							
Decachlorobiphenyl [2]	89.6	30-150							
Tetrachloro-m-xylene [1]	86.7	30-150							
Tetrachloro-m-xylene [2]	95.1	30-150							

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-1

Sampled: 7/28/2017 12:35

Sample ID: 17G1308-16

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	92.5		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-2

Sampled: 7/28/2017 12:36

Sample ID: 17G1308-17

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	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:11	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.1	30-150							
Decachlorobiphenyl [2]	102	30-150							
Tetrachloro-m-xylene [1]	102	30-150							
Tetrachloro-m-xylene [2]	111	30-150							

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-2

Sampled: 7/28/2017 12:36

Sample ID: 17G1308-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-3

Sampled: 7/28/2017 12:37

Sample ID: 17G1308-18

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	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:09	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	85.1	30-130							
2-Fluorobiphenyl	82.8	30-130							
p-Terphenyl-d14	96.7	30-130							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-3

Sampled: 7/28/2017 12:37

Sample ID: 17G1308-18

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	8/7/17	8/19/17 21:29	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:29	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.8	30-150						8/19/17 21:29	
Decachlorobiphenyl [2]	83.9	30-150						8/19/17 21:29	
Tetrachloro-m-xylene [1]	89.5	30-150						8/19/17 21:29	
Tetrachloro-m-xylene [2]	98.9	30-150						8/19/17 21:29	

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-3

Sampled: 7/28/2017 12:37

Sample ID: 17G1308-18

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	530	110	mg/Kg dry	10		CTDEP ETPH	8/7/17	8/9/17 12:57	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	67.9		50-150					8/9/17 12:57	

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-14-3

Sampled: 7/28/2017 12:37

Sample ID: 17G1308-18

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	94.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-15-1

Sampled: 7/28/2017 12:50

Sample ID: 17G1308-19

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	8/7/17	8/19/17 21:47	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 21:47	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.4	30-150							
Decachlorobiphenyl [2]	60.8	30-150							
Tetrachloro-m-xylene [1]	60.3	30-150							
Tetrachloro-m-xylene [2]	66.0	30-150							

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-15-1

Sampled: 7/28/2017 12:50

Sample ID: 17G1308-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-15-2

Sampled: 7/28/2017 12:52

Sample ID: 17G1308-20

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	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 22:04	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.8	30-150						8/19/17 22:04	
Decachlorobiphenyl [2]	80.2	30-150						8/19/17 22:04	
Tetrachloro-m-xylene [1]	81.7	30-150						8/19/17 22:04	
Tetrachloro-m-xylene [2]	88.5	30-150						8/19/17 22:04	

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

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

Sample Description:

Work Order: 17G1308

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-15-2

Sampled: 7/28/2017 12:52

Sample ID: 17G1308-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1308-01 [WS-AOC7-SO-17-1]	B183449	30.0	1.00	08/07/17
17G1308-02 [WS-AOC7-SO-17-2]	B183449	30.0	1.00	08/07/17
17G1308-03 [WS-AOC7-SO-17-3]	B183449	30.0	1.00	08/07/17
17G1308-04 [WS-AOC7-SO-16-1]	B183449	30.0	1.00	08/07/17
17G1308-05 [WS-AOC7-SO-16-2]	B183449	30.0	1.00	08/07/17
17G1308-06 [WS-AOC7-SO-16-3]	B183449	30.0	1.00	08/07/17
17G1308-07 [WS-AOC7-SO-19-1]	B183449	30.0	1.00	08/07/17
17G1308-08 [WS-AOC7-SO-19-2]	B183449	30.0	1.00	08/07/17
17G1308-09 [WS-AOC7-SO-19-3]	B183449	30.0	1.00	08/07/17
17G1308-10 [WS-AOC7-SO-18-1]	B183449	30.0	1.00	08/07/17
17G1308-11 [WS-AOC7-SO-18-2]	B183449	30.0	1.00	08/07/17
17G1308-12 [WS-AOC7-SO-18-3]	B183449	30.0	1.00	08/07/17
17G1308-18 [WS-AOC9-SO-14-3]	B183449	30.0	1.00	08/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1308-01 [WS-AOC7-SO-17-1]	B183315	08/04/17
17G1308-02 [WS-AOC7-SO-17-2]	B183315	08/04/17
17G1308-03 [WS-AOC7-SO-17-3]	B183315	08/04/17
17G1308-04 [WS-AOC7-SO-16-1]	B183315	08/04/17
17G1308-05 [WS-AOC7-SO-16-2]	B183315	08/04/17
17G1308-06 [WS-AOC7-SO-16-3]	B183315	08/04/17
17G1308-07 [WS-AOC7-SO-19-1]	B183315	08/04/17
17G1308-08 [WS-AOC7-SO-19-2]	B183315	08/04/17
17G1308-09 [WS-AOC7-SO-19-3]	B183315	08/04/17
17G1308-10 [WS-AOC7-SO-18-1]	B183315	08/04/17
17G1308-11 [WS-AOC7-SO-18-2]	B183315	08/04/17
17G1308-12 [WS-AOC7-SO-18-3]	B183315	08/04/17
17G1308-13 [WS-AOC9-SO-16-1]	B183315	08/04/17
17G1308-14 [WS-AOC9-SO-16-2]	B183315	08/04/17
17G1308-15 [WS-AOC9-SO-16-3]	B183315	08/04/17
17G1308-16 [WS-AOC9-SO-14-1]	B183315	08/04/17
17G1308-17 [WS-AOC9-SO-14-2]	B183315	08/04/17
17G1308-18 [WS-AOC9-SO-14-3]	B183315	08/04/17
17G1308-19 [WS-AOC9-SO-15-1]	B183315	08/04/17
17G1308-20 [WS-AOC9-SO-15-2]	B183315	08/04/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1308-01 [WS-AOC7-SO-17-1]	B183511	10.0	10.0	08/07/17
17G1308-02 [WS-AOC7-SO-17-2]	B183511	10.0	10.0	08/07/17
17G1308-03 [WS-AOC7-SO-17-3]	B183511	10.0	10.0	08/07/17
17G1308-04 [WS-AOC7-SO-16-1]	B183511	10.0	10.0	08/07/17
17G1308-05 [WS-AOC7-SO-16-2]	B183511	10.0	10.0	08/07/17
17G1308-06 [WS-AOC7-SO-16-3]	B183511	10.0	10.0	08/07/17
17G1308-07 [WS-AOC7-SO-19-1]	B183511	10.0	10.0	08/07/17
17G1308-08 [WS-AOC7-SO-19-2]	B183511	10.0	10.0	08/07/17
17G1308-09 [WS-AOC7-SO-19-3]	B183511	10.0	10.0	08/07/17
17G1308-10 [WS-AOC7-SO-18-1]	B183511	10.0	10.0	08/07/17
17G1308-11 [WS-AOC7-SO-18-2]	B183511	10.0	10.0	08/07/17
17G1308-12 [WS-AOC7-SO-18-3]	B183511	10.0	10.0	08/07/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1308-13 [WS-AOC9-SO-16-1]	B183511	10.0	10.0	08/07/17
17G1308-14 [WS-AOC9-SO-16-2]	B183511	10.0	10.0	08/07/17
17G1308-15 [WS-AOC9-SO-16-3]	B183511	10.0	10.0	08/07/17
17G1308-16 [WS-AOC9-SO-14-1]	B183511	10.0	10.0	08/07/17
17G1308-17 [WS-AOC9-SO-14-2]	B183511	10.0	10.0	08/07/17
17G1308-18 [WS-AOC9-SO-14-3]	B183511	10.0	10.0	08/07/17
17G1308-19 [WS-AOC9-SO-15-1]	B183511	10.0	10.0	08/07/17
17G1308-20 [WS-AOC9-SO-15-2]	B183511	10.0	10.0	08/07/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1308-11 [WS-AOC7-SO-18-2]	B183156	8.03	10.0	08/02/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1308-18 [WS-AOC9-SO-14-3]	B183212	30.0	1.00	08/03/17

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183156 - SW-846 5035
Blank (B183156-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
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

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183156 - SW-846 5035

Blank (B183156-BLK1)

Prepared & Analyzed: 08/02/17

Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0472		mg/Kg wet	0.0500		94.4	70-130			
Surrogate: Toluene-d8	0.0455		mg/Kg wet	0.0500		91.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.0442		mg/Kg wet	0.0500		88.4	70-130			

LCS (B183156-BS1)

Prepared & Analyzed: 08/02/17

Acetone	0.151	0.10	mg/Kg wet	0.200		75.7	70-130			
Acrylonitrile	0.0194	0.0060	mg/Kg wet	0.0200		96.8	70-130			
Benzene	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130			
Bromobenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Bromodichloromethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
Bromoform	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Bromomethane	0.0185	0.010	mg/Kg wet	0.0200		92.5	70-130			
2-Butanone (MEK)	0.173	0.040	mg/Kg wet	0.200		86.5	70-130			
n-Butylbenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130			
Carbon Disulfide	0.209	0.0060	mg/Kg wet	0.200		105	70-130			
Carbon Tetrachloride	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
Chlorobenzene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Chloroethane	0.0177	0.020	mg/Kg wet	0.0200		88.5	70-130			
Chloroform	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130			
Chloromethane	0.0187	0.010	mg/Kg wet	0.0200		93.5	70-130			
2-Chlorotoluene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
4-Chlorotoluene	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0171	0.0020	mg/Kg wet	0.0200		85.4	70-130			
1,2-Dibromoethane (EDB)	0.0220	0.0010	mg/Kg wet	0.0200		110	70-130			
Dibromomethane	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
1,2-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,3-Dichlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130			
1,4-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
trans-1,4-Dichloro-2-butene	0.0182	0.0040	mg/Kg wet	0.0200		90.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0183	0.020	mg/Kg wet	0.0200		91.4	70-130			
1,1-Dichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0190	0.0040	mg/Kg wet	0.0200		94.9	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 B183156 - SW-846 5035										
LCS (B183156-BS1)				Prepared & Analyzed: 08/02/17						
cis-1,2-Dichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
trans-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
1,2-Dichloropropane	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,3-Dichloropropane	0.0212	0.0010	mg/Kg wet	0.0200		106	70-130			
2,2-Dichloropropane	0.0164	0.0020	mg/Kg wet	0.0200		81.9	70-130			
1,1-Dichloropropene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130			
cis-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		98.9	70-130			
trans-1,3-Dichloropropene	0.0196	0.0010	mg/Kg wet	0.0200		97.8	70-130			
Ethylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
Hexachlorobutadiene	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130			
2-Hexanone (MBK)	0.196	0.020	mg/Kg wet	0.200		98.1	70-130			
Isopropylbenzene (Cumene)	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
p-Isopropyltoluene (p-Cymene)	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130			
Methylene Chloride	0.0205	0.020	mg/Kg wet	0.0200		103	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0168	0.0040	mg/Kg wet	0.0200		83.9	70-130			
n-Propylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
Styrene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,1,2-Tetrachloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2,2-Tetrachloroethane	0.0215	0.0010	mg/Kg wet	0.0200		108	70-130			
Tetrachloroethylene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
Tetrahydrofuran	0.0148	0.010	mg/Kg wet	0.0200		74.1	70-130			
Toluene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2,3-Trichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
1,2,4-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.3	70-130			
1,1,1-Trichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,1,2-Trichloroethane	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130			
Trichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
Trichlorofluoromethane (Freon 11)	0.0209	0.010	mg/Kg wet	0.0200		105	70-130			
1,2,3-Trichloropropane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.010	mg/Kg wet	0.0200		99.9	70-130			
1,2,4-Trimethylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
1,3,5-Trimethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
Vinyl Chloride	0.0179	0.010	mg/Kg wet	0.0200		89.4	70-130			
m+p Xylene	0.0423	0.0040	mg/Kg wet	0.0400		106	70-130			
o-Xylene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0465		mg/Kg wet	0.0500		93.1	70-130			
Surrogate: Toluene-d8	0.0457		mg/Kg wet	0.0500		91.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.0495		mg/Kg wet	0.0500		99.0	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183212 - SW-846 3546
Blank (B183212-BLK1)

Prepared: 08/03/17 Analyzed: 08/05/17

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	2.12		mg/Kg wet	3.33		63.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.00		mg/Kg wet	3.33		59.9	30-130			
Surrogate: p-Terphenyl-d14	2.26		mg/Kg wet	3.33		67.7	30-130			

LCS (B183212-BS1)

Prepared: 08/03/17 Analyzed: 08/05/17

Acenaphthene	1.02	0.17	mg/Kg wet	1.67		60.9	40-140			
Acenaphthylene	0.985	0.17	mg/Kg wet	1.67		59.1	40-140			
Anthracene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140			
Benzo(a)anthracene	0.975	0.17	mg/Kg wet	1.67		58.5	40-140			
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140			
Benzo(b)fluoranthene	0.980	0.17	mg/Kg wet	1.67		58.8	40-140			
Benzo(g,h,i)perylene	0.983	0.17	mg/Kg wet	1.67		59.0	40-140			
Benzo(k)fluoranthene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140			
Chrysene	0.924	0.17	mg/Kg wet	1.67		55.5	40-140			
Dibenz(a,h)anthracene	1.00	0.17	mg/Kg wet	1.67		60.0	40-140			
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140			
Fluorene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140			
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140			
Naphthalene	0.979	0.17	mg/Kg wet	1.67		58.7	40-140			
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Pyrene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Surrogate: Nitrobenzene-d5	2.52		mg/Kg wet	3.33		75.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.32		mg/Kg wet	3.33		69.5	30-130			
Surrogate: p-Terphenyl-d14	2.35		mg/Kg wet	3.33		70.4	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183212 - SW-846 3546										
LCS Dup (B183212-BSD1)					Prepared: 08/03/17 Analyzed: 08/05/17					
Acenaphthene	0.996	0.17	mg/Kg wet	1.67		59.8	40-140	1.92	30	
Acenaphthylene	0.954	0.17	mg/Kg wet	1.67		57.2	40-140	3.23	30	
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140	1.21	30	
Benzo(a)anthracene	0.954	0.17	mg/Kg wet	1.67		57.2	40-140	2.21	30	
Benzo(a)pyrene	1.11	0.17	mg/Kg wet	1.67		66.3	40-140	0.960	30	
Benzo(b)fluoranthene	0.956	0.17	mg/Kg wet	1.67		57.3	40-140	2.48	30	
Benzo(g,h,i)perylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	1.13	30	
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140	3.80	30	
Chrysene	0.897	0.17	mg/Kg wet	1.67		53.8	40-140	2.96	30	
Dibenz(a,h)anthracene	0.980	0.17	mg/Kg wet	1.67		58.8	40-140	2.02	30	
Fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.1	40-140	2.18	30	
Fluorene	1.00	0.17	mg/Kg wet	1.67		60.1	40-140	1.81	30	
Indeno(1,2,3-cd)pyrene	1.05	0.17	mg/Kg wet	1.67		62.9	40-140	0.798	30	
2-Methylnaphthalene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	1.72	30	
Naphthalene	0.977	0.17	mg/Kg wet	1.67		58.6	40-140	0.205	30	
Phenanthrene	1.06	0.17	mg/Kg wet	1.67		63.8	40-140	1.61	30	
Pyrene	1.01	0.17	mg/Kg wet	1.67		60.7	40-140	3.85	30	
Surrogate: Nitrobenzene-d5	2.44		mg/Kg wet	3.33		73.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.29		mg/Kg wet	3.33		68.6	30-130			
Surrogate: p-Terphenyl-d14	2.23		mg/Kg wet	3.33		67.0	30-130			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183511 - SW-846 3540C
Blank (B183511-BLK1)

Prepared: 08/07/17 Analyzed: 08/19/17

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	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.183		mg/Kg wet	0.200		91.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg wet	0.200		97.2	30-150			

LCS (B183511-BS1)

Prepared: 08/07/17 Analyzed: 08/19/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.5	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.9	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.9	40-140			
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.199		mg/Kg wet	0.200		99.3	30-150			

LCS Dup (B183511-BSD1)

Prepared: 08/07/17 Analyzed: 08/19/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.6	40-140	1.93	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.5	40-140	0.137	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		82.5	40-140	0.771	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.0	40-140	2.36	30	
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg wet	0.200		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.199		mg/Kg wet	0.200		99.3	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 B183511 - SW-846 3540C										
Matrix Spike (B183511-MS1)	Source: 17G1308-03			Prepared: 08/07/17 Analyzed: 08/19/17						
Aroclor-1016	0.48	0.19	mg/Kg dry	0.388	ND	124	40-140			MS-12
Aroclor-1016 [2C]	0.63	0.19	mg/Kg dry	0.388	ND	164 *	40-140			
Aroclor-1260	0.38	0.19	mg/Kg dry	0.388	ND	99.2	40-140			
Aroclor-1260 [2C]	0.49	0.19	mg/Kg dry	0.388	ND	126	40-140			
Surrogate: Decachlorobiphenyl	0.324		mg/Kg dry	0.388		83.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.394		mg/Kg dry	0.388		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.353		mg/Kg dry	0.388		91.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.392		mg/Kg dry	0.388		101	30-150			
Matrix Spike (B183511-MS2)	Source: 17G1308-16			Prepared: 08/07/17 Analyzed: 08/19/17						
Aroclor-1016	0.22	0.11	mg/Kg dry	0.216	ND	104	40-140			
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.216	ND	117	40-140			
Aroclor-1260	0.31	0.11	mg/Kg dry	0.216	0.15	74.1	40-140			
Aroclor-1260 [2C]	0.35	0.11	mg/Kg dry	0.216	0.19	74.5	40-140			
Surrogate: Decachlorobiphenyl	0.192		mg/Kg dry	0.216		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg dry	0.216		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.213		mg/Kg dry	0.216		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.231		mg/Kg dry	0.216		107	30-150			
Matrix Spike (B183511-MS3)	Source: 17G1308-20			Prepared: 08/07/17 Analyzed: 08/19/17						
Aroclor-1016	0.25	0.11	mg/Kg dry	0.215	ND	115	40-140			
Aroclor-1016 [2C]	0.26	0.11	mg/Kg dry	0.215	ND	120	40-140			
Aroclor-1260	0.20	0.11	mg/Kg dry	0.215	ND	94.5	40-140			
Aroclor-1260 [2C]	0.23	0.11	mg/Kg dry	0.215	ND	107	40-140			
Surrogate: Decachlorobiphenyl	0.202		mg/Kg dry	0.215		93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.215		97.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.218		mg/Kg dry	0.215		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.234		mg/Kg dry	0.215		109	30-150			
Matrix Spike Dup (B183511-MSD1)	Source: 17G1308-03			Prepared: 08/07/17 Analyzed: 08/19/17						
Aroclor-1016	0.44	0.19	mg/Kg dry	0.388	ND	112	40-140	9.55	50	MS-12
Aroclor-1016 [2C]	0.58	0.19	mg/Kg dry	0.388	ND	151 *	40-140	8.28	50	
Aroclor-1260	0.33	0.19	mg/Kg dry	0.388	ND	86.1	40-140	14.2	50	
Aroclor-1260 [2C]	0.41	0.19	mg/Kg dry	0.388	ND	105	40-140	18.2	50	
Surrogate: Decachlorobiphenyl	0.304		mg/Kg dry	0.388		78.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.379		mg/Kg dry	0.388		97.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.333		mg/Kg dry	0.388		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.370		mg/Kg dry	0.388		95.4	30-150			
Matrix Spike Dup (B183511-MSD2)	Source: 17G1308-16			Prepared: 08/07/17 Analyzed: 08/19/17						
Aroclor-1016	0.22	0.11	mg/Kg dry	0.216	ND	102	40-140	1.40	50	
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.216	ND	113	40-140	2.89	50	
Aroclor-1260	0.31	0.11	mg/Kg dry	0.216	0.15	71.4	40-140	1.88	50	
Aroclor-1260 [2C]	0.34	0.11	mg/Kg dry	0.216	0.19	71.0	40-140	2.20	50	
Surrogate: Decachlorobiphenyl	0.189		mg/Kg dry	0.216		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg dry	0.216		93.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.207		mg/Kg dry	0.216		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.225		mg/Kg dry	0.216		104	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183511 - SW-846 3540C
Matrix Spike Dup (B183511-MSD3)
Source: 17G1308-20

Prepared: 08/07/17 Analyzed: 08/19/17

Aroclor-1016	0.24	0.11	mg/Kg dry	0.215	ND	113	40-140	2.13	50	
Aroclor-1016 [2C]	0.26	0.11	mg/Kg dry	0.215	ND	120	40-140	0.556	50	
Aroclor-1260	0.19	0.11	mg/Kg dry	0.215	ND	88.0	40-140	7.17	50	
Aroclor-1260 [2C]	0.21	0.11	mg/Kg dry	0.215	ND	97.2	40-140	9.98	50	
Surrogate: Decachlorobiphenyl	0.190		mg/Kg dry	0.215		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg dry	0.215		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.213		mg/Kg dry	0.215		98.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.229		mg/Kg dry	0.215		107	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
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Batch B183449 - SW-846 3546
Blank (B183449-BLK1)

Prepared: 08/07/17 Analyzed: 08/08/17

CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.38		mg/Kg wet	3.33		71.4	50-150			

LCS (B183449-BS1)

Prepared: 08/07/17 Analyzed: 08/08/17

CT ETPH	19.7	10	mg/Kg wet	33.3		59.1 *	60-120			L-07
Surrogate: o-Terphenyl	2.27		mg/Kg wet	3.33		68.2	50-150			

LCS Dup (B183449-BSD1)

Prepared: 08/07/17 Analyzed: 08/08/17

CT ETPH	20.1	10	mg/Kg wet	33.3		60.3	60-120	2.04	30	
Surrogate: o-Terphenyl	2.27		mg/Kg wet	3.33		68.2	50-150			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183315 - % Solids										
Duplicate (B183315-DUP3)	Source: 17G1308-01			Prepared: 08/04/17 Analyzed: 08/05/17						
% Solids	86.9		% Wt		86.8			0.115	20	
Duplicate (B183315-DUP4)	Source: 17G1308-03			Prepared: 08/04/17 Analyzed: 08/05/17						
% Solids	51.2		% Wt		51.6			0.778	20	
Duplicate (B183315-DUP5)	Source: 17G1308-16			Prepared: 08/04/17 Analyzed: 08/05/17						
% Solids	91.3		% Wt		92.5			1.31	20	
Duplicate (B183315-DUP6)	Source: 17G1308-20			Prepared: 08/04/17 Analyzed: 08/05/17						
% Solids	92.7		% Wt		93.0			0.323	20	

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC7-SO-17-2

Lab Sample ID: 17G1308-02 Date(s) Analyzed: 08/19/2017 08/19/2017

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	0.26	
	2	0.000	-0.030	0.030	0.33	23.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-16-3**Lab Sample ID: 17G1308-06 Date(s) Analyzed: 08/19/2017 08/19/2017

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-18-1**Lab Sample ID: 17G1308-10 Date(s) Analyzed: 08/19/2017 08/19/2017

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	0.13	
	2	0.000	-0.030	0.030	0.16	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-16-1**Lab Sample ID: 17G1308-13 Date(s) Analyzed: 08/20/2017 08/20/2017

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	
	2	0.000	-0.030	0.030	2.8	3.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-16-2**Lab Sample ID: 17G1308-14 Date(s) Analyzed: 08/20/2017 08/20/2017

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	6.1	
	2	0.000	-0.030	0.030	6.1	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-16-3**Lab Sample ID: 17G1308-15 Date(s) Analyzed: 08/20/2017 08/20/2017

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	
	2	0.000	-0.030	0.030	3.8	2.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-14-1**Lab Sample ID: 17G1308-16 Date(s) Analyzed: 08/19/2017 08/19/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.19	23.5

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.
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-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC9-SO-17-1	7/28/17	11:50		X	S	U
02	WS-AOC9-SO-17-2		11:52				
03	WS-AOC9-SO-17-3		11:54				
04	WS-AOC9-SO-16-1		12:00				
05	WS-AOC9-SO-16-2		12:02				
06	WS-AOC9-SO-16-3		12:04				
07	WS-AOC9-SO-19-1		11:00				
08	WS-AOC9-SO-19-2		11:02				
09	WS-AOC9-SO-19-3		11:04				
10	WS-AOC9-SO-18-1		9:40				

Comments:

WS-AOC9-SO-17-3 (MS-MSD)

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	7/28/17	1:30
Received by: (signature)	Date/Time:	Tom Mac 7/28/17	1:33
Relinquished by: (signature)	Date/Time:	Tom Mac 7/28/17	1:45
Received by: (signature)	Date/Time:	2.3.5	7/28/17 1:45
Relinquished by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:		

Program Information

☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume /Will Sirotak

Requested Turnaround Time

7-Day ☒ 10-Day ☐

Other: 5-day ☐

Request Approval Required

1-Day ☐ 3-Day ☐

2-Day ☐ 4-Day ☐

Format: PDF ☒ EXCEL ☒

Other: ☐

Enhanced Data Package Required: ☐

Email To: beelerm@wseinc.com

Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC9-SO-18-2	7/26/17	9:42	X	S	V	
12	WS-AOC9-SO-18-3		9:44				
13	WS-AOC9-SO-16-1		12:30				
14	WS-AOC9-SO-16-2		12:32				
15	WS-AOC9-SO-16-3		12:34				
16	WS-AOC9-SO-14-1		12:36				
17	WS-AOC9-SO-14-2		12:36				
18	WS-AOC9-SO-14-3		12:37				
19	WS-AOC9-SO-15-1		12:50				
20	WS-AOC9-SO-15-2		12:52				

Comments:

WS-AOC9-SO-14-1 (MS-MSD)

Please hold excess volumes for possible SPLP analyses.

WS-AOC9-SO-15-2 (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

Refined by: (signature)	Date/Time:	Detection Limit Requirements	Program Information
<i>[Signature]</i>	7/28/17 1530	MA	☐ MCP Analytical Certification Form Required
Received by: (signature)	Date/Time:		☒ RCP Analysis Certification Form Required
<i>[Signature]</i>	10M May 7/28/17 1331		☐ MA State DW Form Required
Refined by: (signature)	Date/Time:	RES DEC	PWSID #
<i>[Signature]</i>	10M May 7/28/17 1645		
Received by: (signature)	Date/Time:		
<i>[Signature]</i>	23.5.5 7/28/17 1645		
Refined by: (signature)	Date/Time:		
<i>[Signature]</i>	23.5.5 7/28/17 1645		
Received by: (signature)	Date/Time:		
<i>[Signature]</i>	23.5.5 7/28/17 1645		

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TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE

QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME

CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

7/28/17 1645

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 B. Sampson

Received By RLF Date 7/28/17 Time 11:45

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

Were samples within Temperature? 2-6°C T By Gun # 7 Actual Temp - 2.3, 5.2°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? F

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

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? T

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

Were trip blanks received? F On COC? NA

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	27
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:	
Sulfuric-		Perchlorate		Ziplock		<u>7/28/17 11:45</u>	

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

8/9/17 8:01 AM

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

D:\HPCHEM\1\DATA\A080917\A0809006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/9/17
 Data File Name A0809006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	396792	422563	-6
c - 10	1.64	408366	422563	-3
c - 12	2.37	420902	422563	0
c - 14	3.05	429909	422563	2
c - 16	3.66	439384	422563	4
c - 18	4.30	432549	422563	2
o-Terphenyl	4.58	476950	422563	
c - 20	4.90	435564	422563	3
c - 22	5.40	437673	422563	4
c - 24	5.84	404188	422563	-4
c - 26	6.24	423397	422563	0
c - 28	6.60	419492	422563	-1
c - 30	6.94	422911	422563	0
c - 32	7.25	419447	422563	-1
c - 34	7.55	423285	422563	0
c - 36	7.90	424595	422563	0

* One compound allowed %D <= 50%

Samples

17H0066-01
 17H0066-02
 17G1308-03@25X

D:\HPCHEM\1\DATA\A080917.SEC\A0809007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/9/17
 Data File Name A0809007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.29	532378	570158	-7
c - 10	1.63	548572	570158	-4
c - 12	2.35	566492	570158	-1
c - 14	3.02	576367	570158	1
c - 16	3.62	588067	570158	3
c - 18	4.23	580803	570158	2
o-Terphenyl	4.52	651442	570158	
c - 20	4.84	588928	570158	3
c - 22	5.34	598960	570158	5
c - 24	5.78	558358	570158	-2
c - 26	6.17	586831	570158	3
c - 28	6.53	577242	570158	1
c - 30	6.86	575091	570158	1
c - 32	7.17	559798	570158	-2
c - 34	7.47	558494	570158	-2
c - 36	7.78	555983	570158	-2

* One compound allowed %D <= 50%

Samples

17G1308-05@25X

17G1308-18@10X



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17G1308

Laboratory Sample ID(s):

17G1308-01 thru 17G1308-20

Sample Date(s):

07/28/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

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

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

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

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

November 1, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0197

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

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 11/1/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0197

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

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

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

CASE NARRATIVE SUMMARY

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

REVISED REPORT 11/01/17 - Sample IDs updated per client email.

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

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

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

James M. Georgantas

Project Management Supervisor

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 08:40

Sample ID: 17H0197-01

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	110	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	106	30-150							

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 08:45

Sample ID: 17H0197-02

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 08:50

Sample ID: 17H0197-03

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1260 [2]	3.2	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.9	30-150							
Decachlorobiphenyl [2]	92.9	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 08:55

Sample ID: 17H0197-04

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 09:00

Sample ID: 17H0197-05

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 09:05

Sample ID: 17H0197-06

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 09:10

Sample ID: 17H0197-07

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 09:15

Sample ID: 17H0197-08

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.8	30-150						8/24/17 19:28	
Decachlorobiphenyl [2]	78.1	30-150						8/24/17 19:28	
Tetrachloro-m-xylene [1]	109	30-150						8/24/17 19:28	
Tetrachloro-m-xylene [2]	110	30-150						8/24/17 19:28	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 09:25

Sample ID: 17H0197-09

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1221 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1232 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1242 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1248 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1254 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1260 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1262 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1268 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.9	30-150							
Decachlorobiphenyl [2]	91.7	30-150							
Tetrachloro-m-xylene [1]	117	30-150							
Tetrachloro-m-xylene [2]	118	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 09:30

Sample ID: 17H0197-10

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	118	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-32

Sampled: 8/3/2017 14:33

Sample ID: 17H0197-11

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-33

Sampled: 8/3/2017 14:34

Sample ID: 17H0197-12

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-24

Sampled: 8/3/2017 14:32

Sample ID: 17H0197-13

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.9	30-150							
Decachlorobiphenyl [2]	87.1	30-150							
Tetrachloro-m-xylene [1]	91.3	30-150							
Tetrachloro-m-xylene [2]	82.4	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-23

Sampled: 8/3/2017 14:30

Sample ID: 17H0197-14

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-16

Sampled: 8/3/2017 14:00

Sample ID: 17H0197-15

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

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-29

Sampled: 8/3/2017 13:56

Sample ID: 17H0197-16

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.7	30-150							
Decachlorobiphenyl [2]	81.4	30-150							
Tetrachloro-m-xylene [1]	78.4	30-150							
Tetrachloro-m-xylene [2]	68.3	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-30

Sampled: 8/3/2017 13:58

Sample ID: 17H0197-17

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.0	30-150							
Decachlorobiphenyl [2]	82.2	30-150							
Tetrachloro-m-xylene [1]	81.6	30-150							
Tetrachloro-m-xylene [2]	67.0	30-150							

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-27

Sampled: 8/3/2017 13:47

Sample ID: 17H0197-18

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 08:30

Sample ID: 17H0197-19

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150						8/24/17 23:38	
Decachlorobiphenyl [2]	108	30-150						8/24/17 23:38	
Tetrachloro-m-xylene [1]	119	30-150						8/24/17 23:38	
Tetrachloro-m-xylene [2]	119	30-150						8/24/17 23:38	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

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

Sampled: 8/3/2017 08:35

Sample ID: 17H0197-20

Sample Matrix: soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.1	30-150						8/24/17 23:57	
Decachlorobiphenyl [2]	84.5	30-150						8/24/17 23:57	
Tetrachloro-m-xylene [1]	98.5	30-150						8/24/17 23:57	
Tetrachloro-m-xylene [2]	99.2	30-150						8/24/17 23:57	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

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

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183926 - SW-846 3540C
Blank (B183926-BLK1)

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

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.815		mg/Kg	1.00		81.5	30-150			

LCS (B183926-BS1)

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

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

LCS Dup (B183926-BSD1)

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

Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.6	40-140	2.48	30	
Aroclor-1016 [2C]	0.81	0.10	mg/Kg	1.00		80.7	40-140	0.504	30	
Aroclor-1260	0.75	0.10	mg/Kg	1.00		75.4	40-140	1.04	30	
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		73.6	40-140	0.0700	30	
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.962		mg/Kg	1.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.842		mg/Kg	1.00		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.761		mg/Kg	1.00		76.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

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

Matrix Spike (B183926-MS1)

Source: 17H0197-01

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

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

Matrix Spike Dup (B183926-MSD1)

Source: 17H0197-01

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

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

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

Lab Sample ID: 17H0197-03 Date(s) Analyzed 08/24/2017 08/24/2017
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	3.2	9.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC7-AS-32

Lab Sample ID: 17H0197-11 Date(s) Analyzed 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.42	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-AS-33**

Lab Sample ID: 17H0197-12 Date(s) Analyzed 08/24/2017 08/24/2017
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.45	14.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B183926-BS1 Date(s) Analyzed 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.82	
	2	0.000	0.000	0.000	0.80	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.74	2.7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B183926-BSD1 Date(s) Analyzed 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.81	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.74	1.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

Lab Sample ID: B183926-MS1 Date(s) Analyzed 08/25/2017 08/25/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7
Aroclor-1260	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	1.0	7.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B183926-MSD1 Date(s) Analyzed 08/25/2017 08/25/2017
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7
Aroclor-1260	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	1.0	9.4

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FLAG/QUALIFIER SUMMARY

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

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

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

CERTIFICATIONS
Certified Analyses included in this Report

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

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

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

con-test
ANALYTICAL LABORATORY

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

Email: info@confestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotinak

Requested Turnaround Time

7-Day ☒ 10-Day ☐ 5-day ☐

Other: ☐

Rush Approval Required

1-Day ☐ 3-Day ☐ 4-Day ☐

Data Delivery

Format: PDF ☒ EXCEL ☒

Other: ☐

Enhanced Data Package Required: ☐

Email To: beelerm@wseinc.com

Fax To #: ☐

ANALYSIS REQUESTED

PCBs Soil

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOL-12E-AS-3	8/31/17	0840		X	O	U
02	WS-AOL-12E-AS-4		0845				
03	WS-AOL-12E-AS-54		0850				
04	WS-AOL-12E-AS-55		0855				
05	WS-AOL-12E-AS-56		0900				
06	WS-AOL-12E-AS-57		0905				
07	WS-AOL-12E-AS-58		0910				
08	WS-AOL-12E-AS-59		0915				
09	WS-AOL-12E-AS-60		0925				
10	WS-AOL-12E-AS-61		0930				

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Please hold excess volumes for possible SPLP analyses.

Detection Limit Requirements

Relinquished by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Received by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Relinquished by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Received by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Relinquished by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Received by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Relinquished by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Received by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Relinquished by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Received by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Relinquished by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58Received by: (signature) *Markus Patel* Date/Time: 8/31/17 14:58

Program Information

- ☐ MCP Analytical Certification Form Required
- ☒ RCP Analysis Certification Form Required
- ☐ MA State DW Form Required
- PWSID #

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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ANALYTICAL LABORATORY

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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid: Malcolm Beeler (Weston & Sampson)

Invoice Recipient: Chris Berthiaume/Will Sirotnak

Sampled By: Chris Berthiaume/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC-7-AS-33	8/3/17	1433	X		O	U
12	WS-AOC-7-AS-33		1434				
13	WS-AOC-7-AS-24		1432				
14	WS-AOC-7-AS-23		1430				
15	WS-AOC-7-AS-16		1400				
16	WS-AOC-7-AS-27		1356				
17	WS-AOC-7-AS-30		1358				
18	WS-AOC-7-AS-27		1347				
19	WS-AOC-7-AS-1		0830				
20	WS-AOC-7-AS-2		0835				

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Alan... Date/Time: 8/3/17 14:58

Received by: (signature) ... Date/Time: 8-3-17 14:58

Relinquished by: (signature) ... Date/Time: 8-3-17 4:45

Received by: (signature) ... Date/Time: 8/3/17 16:05

Relinquished by: (signature) ... Date/Time: ...

Received by: (signature) ... Date/Time: ...

Relinquished by: (signature) ... Date/Time: ...

Received by: (signature) ... Date/Time: ...

Relinquished by: (signature) ... Date/Time: ...

Received by: (signature) ... Date/Time: ...

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

ANALYSIS REQUESTED

PLBS 5x11.1

of Containers:
 Preservation Code:
 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)
Other Media

2 Preservation Codes:

I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium
 Thiosulfate
 O = Other (please define)

3 Container Codes:

A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

Program Information

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

NELAC and AIHA-LAP, LLC Accredited

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

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Doc# 277 Rev 5 2017

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

Client Weston Sampson
Received By BLF Date 8/3/17 Time 11:45
How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____
Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.1°C, 4.7°C
By Blank # _____ Actual Temp - _____
Was Custody Seal Intact? NA Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? NA
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? NA
Do all samples have the proper pH? Acid NA Base NA

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

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H0197

Laboratory Sample ID(s):

17H0197-01 thru 17H0197-20

Sample Date(s):

08/03/2017

List RCP Methods Used:

SW-846 8082A

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

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

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

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

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

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

From: [Schiaivone, Timothy](#)
To: [Jim Georgantas](#)
Cc: [McGrath, Loren](#); [Beeler, Malcolm](#); [Akanksha Patel](#); [Patel, Akanksha](#)
Subject: English Station WO #17H0197, 17H0198
Date: Wednesday, November 01, 2017 9:37:56 AM
Attachments: [image001.png](#)
[17H0198_2 Contest_Final 08 16 17 1440.pdf](#)
[17H0197_2 Contest_Final 08 25 17 1306.pdf](#)

Jim,

In the above referenced WOs, I need to alter sample nomenclatures from the following samples:

- WS-AOC7-AS-23
- WS-AOC7-AS-24
- WS-AOC7-AS-25
- WS-AOC7-AS-26
- WS-AOC7-AS-27
- WS-AOC7-AS-28
- WS-AOC7-AS-29
- WS-AOC7-AS-30
- WS-AOC7-AS-32
- WS-AOC7-AS-33

We need to change the "AS" in each sample ID to "CO".

Example: WS-AOC7-AS-23 would now be WS-AOC7-CO-23.

Thanks!

Tim Schiavone
ENVIRONMENTAL SCIENTIST II



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November 1, 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: 17H0198

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

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 11/1/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0198

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-AOC7-CO-28	17H0198-01	soil		SW-846 8082A	
WS-AOC7-CO-26	17H0198-02	soil		SW-846 8082A	
WS-AOC7-CO-25	17H0198-03	soil		SW-846 8082A	
WS-AOC7-AS-15	17H0198-04	soil		SW-846 8082A	
WS-AOC7-AS-12	17H0198-05	soil		SW-846 8082A	
WS-AOC7-AS-9	17H0198-06	soil		SW-846 8082A	
WS-AOC13-AS-18	17H0198-07	soil		SW-846 8082A	
WS-AOC7-AS-7	17H0198-08	soil		SW-846 8082A	
WS-AOC7-AS-3	17H0198-09	soil		SW-846 8082A	
WS-AOC7-AS-11	17H0198-10	soil		SW-846 8082A	
WS-AOC7-AS-10	17H0198-11	soil		SW-846 8082A	
WS-AOC7-AS-6	17H0198-12	soil		SW-846 8082A	
WS-AOC7-AS-5	17H0198-13	soil		SW-846 8082A	
WS-AOC7-AS-4	17H0198-14	soil		SW-846 8082A	
WS-AOC7-AS-2	17H0198-15	soil		SW-846 8082A	
WS-AOC13-AS-30	17H0198-16	soil		SW-846 8082A	
WS-AOC13-AS-29	17H0198-17	soil		SW-846 8082A	
WS-AOC13-AS-28	17H0198-18	soil		SW-846 8082A	
WS-AOC13-AS-27	17H0198-19	soil		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

REVISED REPORT 11/01/17 - Sample IDs updated per client email.

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

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

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

James M. Georgantas

Project Management Supervisor

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

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-28

Sampled: 8/3/2017 13:49

Sample ID: 17H0198-01

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	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.6	30-150						8/15/17 17:10	
Decachlorobiphenyl [2]	92.1	30-150						8/15/17 17:10	
Tetrachloro-m-xylene [1]	88.9	30-150						8/15/17 17:10	
Tetrachloro-m-xylene [2]	95.7	30-150						8/15/17 17:10	

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

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-26

Sampled: 8/3/2017 13:50

Sample ID: 17H0198-02

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	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1260 [2]	0.17	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:28	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.3	30-150							
Decachlorobiphenyl [2]	77.3	30-150							
Tetrachloro-m-xylene [1]	84.1	30-150							
Tetrachloro-m-xylene [2]	91.6	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-CO-25

Sampled: 8/3/2017 13:48

Sample ID: 17H0198-03

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	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1260 [2]	0.34	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 17:45	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.5	30-150							
Decachlorobiphenyl [2]	71.2	30-150							
Tetrachloro-m-xylene [1]	77.8	30-150							
Tetrachloro-m-xylene [2]	84.6	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-15

Sampled: 8/3/2017 13:30

Sample ID: 17H0198-04

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:03	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.4	30-150						8/15/17 18:03	
Decachlorobiphenyl [2]	71.0	30-150						8/15/17 18:03	
Tetrachloro-m-xylene [1]	83.4	30-150						8/15/17 18:03	
Tetrachloro-m-xylene [2]	85.8	30-150						8/15/17 18:03	

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-12

Sampled: 8/3/2017 13:33

Sample ID: 17H0198-05

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:21	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.6	30-150						8/15/17 18:21	
Decachlorobiphenyl [2]	72.8	30-150						8/15/17 18:21	
Tetrachloro-m-xylene [1]	88.4	30-150						8/15/17 18:21	
Tetrachloro-m-xylene [2]	91.1	30-150						8/15/17 18:21	

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-9

Sampled: 8/3/2017 13:27

Sample ID: 17H0198-06

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1260 [1]	0.53	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	63.0	30-150							
Decachlorobiphenyl [2]	70.4	30-150							
Tetrachloro-m-xylene [1]	84.8	30-150							
Tetrachloro-m-xylene [2]	88.3	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-18

Sampled: 8/3/2017 13:05

Sample ID: 17H0198-07

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 18:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.6	30-150							
Decachlorobiphenyl [2]	74.3	30-150							
Tetrachloro-m-xylene [1]	86.2	30-150							
Tetrachloro-m-xylene [2]	89.6	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-7

Sampled: 8/3/2017 12:20

Sample ID: 17H0198-08

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	45.0	30-150						8/15/17 19:14	
Decachlorobiphenyl [2]	52.1	30-150						8/15/17 19:14	
Tetrachloro-m-xylene [1]	75.8	30-150						8/15/17 19:14	
Tetrachloro-m-xylene [2]	76.7	30-150						8/15/17 19:14	

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-3

Sampled: 8/3/2017 12:12

Sample ID: 17H0198-09

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	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1254 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1260 [2]	1.4	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:31	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	63.0	30-150						8/15/17 19:31	
Decachlorobiphenyl [2]	73.1	30-150						8/15/17 19:31	
Tetrachloro-m-xylene [1]	93.2	30-150						8/15/17 19:31	
Tetrachloro-m-xylene [2]	96.7	30-150						8/15/17 19:31	

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-11

Sampled: 8/3/2017 13:31

Sample ID: 17H0198-10

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 19:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.7	30-150							
Decachlorobiphenyl [2]	64.4	30-150							
Tetrachloro-m-xylene [1]	79.9	30-150							
Tetrachloro-m-xylene [2]	83.7	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-10

Sampled: 8/3/2017 13:25

Sample ID: 17H0198-11

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	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1254 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 20:59	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.6	30-150							
Decachlorobiphenyl [2]	75.2	30-150							
Tetrachloro-m-xylene [1]	83.1	30-150							
Tetrachloro-m-xylene [2]	87.8	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-6

Sampled: 8/3/2017 12:18

Sample ID: 17H0198-12

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1260 [2]	0.90	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:17	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.0	30-150							
Decachlorobiphenyl [2]	67.5	30-150							
Tetrachloro-m-xylene [1]	83.5	30-150							
Tetrachloro-m-xylene [2]	86.0	30-150							

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

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-5

Sampled: 8/3/2017 12:13

Sample ID: 17H0198-13

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1260 [2]	0.53	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:34	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	57.1	30-150							
Decachlorobiphenyl [2]	65.1	30-150							
Tetrachloro-m-xylene [1]	82.8	30-150							
Tetrachloro-m-xylene [2]	85.7	30-150							

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

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-4

Sampled: 8/3/2017 12:08

Sample ID: 17H0198-14

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	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1254 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 21:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	46.5	30-150						8/15/17 21:52	
Decachlorobiphenyl [2]	55.1	30-150						8/15/17 21:52	
Tetrachloro-m-xylene [1]	77.3	30-150						8/15/17 21:52	
Tetrachloro-m-xylene [2]	79.0	30-150						8/15/17 21:52	

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-2

Sampled: 8/3/2017 11:50

Sample ID: 17H0198-15

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	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/15/17 22:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	53.9	30-150							
Decachlorobiphenyl [2]	63.8	30-150							
Tetrachloro-m-xylene [1]	82.5	30-150							
Tetrachloro-m-xylene [2]	86.0	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-30

Sampled: 8/3/2017 11:10

Sample ID: 17H0198-16

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	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:27	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.8	30-150							
Decachlorobiphenyl [2]	79.5	30-150							
Tetrachloro-m-xylene [1]	84.8	30-150							
Tetrachloro-m-xylene [2]	94.8	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-29

Sampled: 8/3/2017 11:05

Sample ID: 17H0198-17

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	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 22:45	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.6	30-150							
Decachlorobiphenyl [2]	79.3	30-150							
Tetrachloro-m-xylene [1]	83.0	30-150							
Tetrachloro-m-xylene [2]	91.8	30-150							

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-28

Sampled: 8/3/2017 11:00

Sample ID: 17H0198-18

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	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:02	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.1	30-150							
Decachlorobiphenyl [2]	82.9	30-150							
Tetrachloro-m-xylene [1]	86.2	30-150							
Tetrachloro-m-xylene [2]	96.5	30-150							

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

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

Sample Description:

Work Order: 17H0198

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-27

Sampled: 8/3/2017 10:55

Sample ID: 17H0198-19

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	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/15/17 23:21	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.4	30-150							
Decachlorobiphenyl [2]	90.9	30-150							
Tetrachloro-m-xylene [1]	86.6	30-150							
Tetrachloro-m-xylene [2]	95.3	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0198-01 [WS-AOC7-CO-28]	B183927	2.08	10.0	08/11/17
17H0198-02 [WS-AOC7-CO-26]	B183927	2.18	10.0	08/11/17
17H0198-03 [WS-AOC7-CO-25]	B183927	2.02	10.0	08/11/17
17H0198-04 [WS-AOC7-AS-15]	B183927	2.08	10.0	08/11/17
17H0198-05 [WS-AOC7-AS-12]	B183927	2.05	10.0	08/11/17
17H0198-06 [WS-AOC7-AS-9]	B183927	2.09	10.0	08/11/17
17H0198-07 [WS-AOC13-AS-18]	B183927	2.10	10.0	08/11/17
17H0198-08 [WS-AOC7-AS-7]	B183927	2.16	10.0	08/11/17
17H0198-09 [WS-AOC7-AS-3]	B183927	2.11	10.0	08/11/17
17H0198-10 [WS-AOC7-AS-11]	B183927	2.09	10.0	08/11/17
17H0198-11 [WS-AOC7-AS-10]	B183927	2.25	10.0	08/11/17
17H0198-12 [WS-AOC7-AS-6]	B183927	2.04	10.0	08/11/17
17H0198-13 [WS-AOC7-AS-5]	B183927	2.08	10.0	08/11/17
17H0198-14 [WS-AOC7-AS-4]	B183927	2.13	10.0	08/11/17
17H0198-15 [WS-AOC7-AS-2]	B183927	2.01	10.0	08/11/17
17H0198-16 [WS-AOC13-AS-30]	B183927	2.05	10.0	08/11/17
17H0198-17 [WS-AOC13-AS-29]	B183927	2.01	10.0	08/11/17
17H0198-18 [WS-AOC13-AS-28]	B183927	2.27	10.0	08/11/17
17H0198-19 [WS-AOC13-AS-27]	B183927	2.26	10.0	08/11/17

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183927 - SW-846 3540C
Blank (B183927-BLK1)

Prepared: 08/11/17 Analyzed: 08/15/17

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.915		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.980		mg/Kg	1.00		98.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.942		mg/Kg	1.00		94.2	30-150			

LCS (B183927-BS1)

Prepared: 08/11/17 Analyzed: 08/15/17

Aroclor-1016	0.94	0.10	mg/Kg	1.00		94.1	40-140			
Aroclor-1016 [2C]	0.92	0.10	mg/Kg	1.00		91.7	40-140			
Aroclor-1260	0.89	0.10	mg/Kg	1.00		88.5	40-140			
Aroclor-1260 [2C]	0.82	0.10	mg/Kg	1.00		81.8	40-140			
Surrogate: Decachlorobiphenyl	1.12		mg/Kg	1.00		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.947		mg/Kg	1.00		94.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.971		mg/Kg	1.00		97.1	30-150			

LCS Dup (B183927-BSD1)

Prepared: 08/11/17 Analyzed: 08/15/17

Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.7	40-140	2.54	30	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		89.7	40-140	2.21	30	
Aroclor-1260	0.86	0.10	mg/Kg	1.00		85.9	40-140	2.94	30	
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		79.7	40-140	2.68	30	
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.922		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.993		mg/Kg	1.00		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.954		mg/Kg	1.00		95.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183927 - SW-846 3540C

Matrix Spike (B183927-MS1)

Source: 17H0198-14

Prepared: 08/11/17 Analyzed: 08/15/17

Aroclor-1016	0.89	0.49	mg/Kg	0.985	ND	90.8	40-140			
Aroclor-1016 [2C]	0.90	0.49	mg/Kg	0.985	ND	91.7	40-140			
Aroclor-1260	0.72	0.49	mg/Kg	0.985	ND	72.8	40-140			
Aroclor-1260 [2C]	0.73	0.49	mg/Kg	0.985	ND	74.1	40-140			
Surrogate: Decachlorobiphenyl	0.593		mg/Kg	0.985		60.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.681		mg/Kg	0.985		69.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.794		mg/Kg	0.985		80.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.828		mg/Kg	0.985		84.0	30-150			

Matrix Spike Dup (B183927-MSD1)

Source: 17H0198-14

Prepared: 08/11/17 Analyzed: 08/15/17

Aroclor-1016	0.94	0.50	mg/Kg	0.995	ND	94.6	40-140	5.15	50	
Aroclor-1016 [2C]	0.91	0.50	mg/Kg	0.995	ND	91.7	40-140	1.04	50	
Aroclor-1260	0.69	0.50	mg/Kg	0.995	ND	69.2	40-140	4.09	50	
Aroclor-1260 [2C]	0.72	0.50	mg/Kg	0.995	ND	71.9	40-140	2.08	50	
Surrogate: Decachlorobiphenyl	0.574		mg/Kg	0.995		57.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.653		mg/Kg	0.995		65.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.834		mg/Kg	0.995		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.865		mg/Kg	0.995		86.9	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC7-AS-26***SW-846 8082A*

Lab Sample ID: 17H0198-02 Date(s) Analyzed 08/15/2017 08/15/2017
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	0.16	
	2	0.000	0.000	0.000	0.17	6.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC7-AS-25***SW-846 8082A*

Lab Sample ID: 17H0198-03 Date(s) Analyzed 08/15/2017 08/15/2017
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	0.33	
	2	0.000	0.000	0.000	0.34	3.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC7-AS-9***SW-846 8082A*

Lab Sample ID: 17H0198-06 Date(s) Analyzed 08/15/2017 08/15/2017
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	0.53	
	2	0.000	0.000	0.000	0.52	1.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC7-AS-3***SW-846 8082A*

Lab Sample ID: 17H0198-09 Date(s) Analyzed 08/15/2017 08/15/2017
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	1.4	
	2	0.000	0.000	0.000	1.4	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-AS-6**

Lab Sample ID: 17H0198-12 Date(s) Analyzed 08/15/2017 08/15/2017
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	0.90	
	2	0.000	0.000	0.000	0.90	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-AS-5**

Lab Sample ID: 17H0198-13 Date(s) Analyzed 08/15/2017 08/15/2017
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	0.53	
	2	0.000	0.000	0.000	0.53	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B183927-BS1 Date(s) Analyzed 08/15/2017 08/15/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.94	
	2	0.000	0.000	0.000	0.92	2.2
Aroclor-1260	1	0.000	0.000	0.000	0.89	
	2	0.000	0.000	0.000	0.82	8.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS Dup**Lab Sample ID: B183927-BSD1 Date(s) Analyzed 08/15/2017 08/15/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.90	2.2
Aroclor-1260	1	0.000	0.000	0.000	0.86	
	2	0.000	0.000	0.000	0.80	7.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

Lab Sample ID: B183927-MS1 Date(s) Analyzed 08/15/2017 08/15/2017

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	0.89	
	2	0.000	0.000	0.000	0.90	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.73	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B183927-MSD1 Date(s) Analyzed 08/15/2017 08/15/2017

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	0.94	
	2	0.000	0.000	0.000	0.91	3.2
Aroclor-1260	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.72	4.3

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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.	

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
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



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ANALYTICAL LABORATORY

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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC7-AS-27	8/3/17	13:49	X		O	U
02	WS-AOC7-AS-26		13:50				
03	WS-AOC7-AS-25		13:49				
04	WS-AOC7-AS-15		13:30				
05	WS-AOC7-AS-12		13:33				
06	WS-AOC7-AS-9		13:27				
07	WS-AOC13-AS-18		13:05				
08	WS-AOC7-AS-7		12:20				
09	WS-AOC7-AS-3		12:12				
10	WS-AOC7-AS-11		13:31				

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) <i>Abraham Boley</i>	Date/Time: 8/3/17 14:51	Detection Limit Requirements MA CT Other	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited
Received by: (signature) <i>Will Sirotnak</i>	Date/Time: 8-3-17 14:56		
Relinquished by: (signature) <i>Will Sirotnak</i>	Date/Time: 8-3-17 4:45		
Received by: (signature) <i>Will Sirotnak</i>	Date/Time: 8/3/17 16:05		
Relinquished by: (signature)	Date/Time:	TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.	
Received by: (signature)	Date/Time:	PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT	

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

ANALYSIS REQUESTED

(Soxhlet) PCB

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

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

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

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

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Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

Doc # 381 Rev 0 5 8 2015

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Page 6 of 8

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC7-AS-10	8/3/17	13:25		X	0	0
12	WS-AOC7-AS-6		12:18				
13	WS-AOC7-AS-5		12:13				
14	WS-AOC7-AS-4		12:08				
15	WS-AOC7-AS-2		11:50				
16	WS-AOC13-AS-30		11:10				
17	WS-AOC13-AS-29		11:05				
18	WS-AOC13-AS-28		11:00				
19	WS-AOC13-AS-27		10:55				

Comments:

WS-AOC7-AS-4 (MS-MSD)

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Detection Limit Requirements
<i>Mark...</i>	8/3/17 14:51	MA
Received by: (signature)	Date/Time:	
<i>Will...</i>	8-3-17 14:54	
Relinquished by: (signature)	Date/Time:	
<i>Will...</i>	8-3-17 4:45	RES DEC
Received by: (signature)	Date/Time:	
<i>Will...</i>	8/3/17 14:05	
Relinquished by: (signature)	Date/Time:	
<i>Will...</i>		
Received by: (signature)	Date/Time:	
<i>Will...</i>		

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

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Doc# 277 Rev 5 2017

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

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

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.1°C, 4.7°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampled with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? T

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

Were trip blanks received? F On COC? NA

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

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

Frozen:

Unused Media

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

Frozen:

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: 17H0198

Laboratory Sample ID(s):

17H0198-01 thru 17H0198-19

Sample Date(s):

08/03/2017

List RCP Methods Used:

SW-846 8082A

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

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

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

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

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/16/17
Name of Laboratory: Con-Test Analytical Laboratory

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

From: [Schiaivone, Timothy](#)
To: [Jim Georgantas](#)
Cc: [McGrath, Loren](#); [Beeler, Malcolm](#); [Akanksha Patel](#); [Patel, Akanksha](#)
Subject: English Station WO #17H0197, 17H0198
Date: Wednesday, November 01, 2017 9:37:56 AM
Attachments: [image001.png](#)
[17H0198_2 Contest_Final 08 16 17 1440.pdf](#)
[17H0197_2 Contest_Final 08 25 17 1306.pdf](#)

Jim,

In the above referenced WOs, I need to alter sample nomenclatures from the following samples:

- WS-AOC7-AS-23
- WS-AOC7-AS-24
- WS-AOC7-AS-25
- WS-AOC7-AS-26
- WS-AOC7-AS-27
- WS-AOC7-AS-28
- WS-AOC7-AS-29
- WS-AOC7-AS-30
- WS-AOC7-AS-32
- WS-AOC7-AS-33

We need to change the "AS" in each sample ID to "CO".

Example: WS-AOC7-AS-23 would now be WS-AOC7-CO-23.

Thanks!

Tim Schiavone
ENVIRONMENTAL SCIENTIST II



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August 17, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0199

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

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 8/17/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0199

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

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

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

CASE NARRATIVE SUMMARY

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

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

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

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

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-26

Sampled: 8/3/2017 10:50

Sample ID: 17H0199-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150						8/15/17 22:06	
Decachlorobiphenyl [2]	101	30-150						8/15/17 22:06	
Tetrachloro-m-xylene [1]	97.1	30-150						8/15/17 22:06	
Tetrachloro-m-xylene [2]	103	30-150						8/15/17 22:06	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-1

Sampled: 8/3/2017 11:43

Sample ID: 17H0199-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						8/15/17 22:24	
Decachlorobiphenyl [2]	92.6	30-150						8/15/17 22:24	
Tetrachloro-m-xylene [1]	91.7	30-150						8/15/17 22:24	
Tetrachloro-m-xylene [2]	98.3	30-150						8/15/17 22:24	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-23

Sampled: 8/3/2017 11:37

Sample ID: 17H0199-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150						8/15/17 22:42	
Decachlorobiphenyl [2]	99.4	30-150						8/15/17 22:42	
Tetrachloro-m-xylene [1]	101	30-150						8/15/17 22:42	
Tetrachloro-m-xylene [2]	106	30-150						8/15/17 22:42	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-21

Sampled: 8/3/2017 11:25

Sample ID: 17H0199-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150							
Decachlorobiphenyl [2]	106	30-150							
Tetrachloro-m-xylene [1]	110	30-150							
Tetrachloro-m-xylene [2]	115	30-150							

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-17

Sampled: 8/3/2017 10:40

Sample ID: 17H0199-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.8	30-150						8/17/17 1:59	
Decachlorobiphenyl [2]	87.1	30-150						8/17/17 1:59	
Tetrachloro-m-xylene [1]	82.1	30-150						8/17/17 1:59	
Tetrachloro-m-xylene [2]	95.7	30-150						8/17/17 1:59	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-15

Sampled: 8/3/2017 10:30

Sample ID: 17H0199-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.2	30-150						8/17/17 2:16	
Decachlorobiphenyl [2]	90.9	30-150						8/17/17 2:16	
Tetrachloro-m-xylene [1]	90.6	30-150						8/17/17 2:16	
Tetrachloro-m-xylene [2]	104	30-150						8/17/17 2:16	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-16

Sampled: 8/3/2017 10:35

Sample ID: 17H0199-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.1	30-150						8/17/17 2:34	
Decachlorobiphenyl [2]	92.5	30-150						8/17/17 2:34	
Tetrachloro-m-xylene [1]	94.6	30-150						8/17/17 2:34	
Tetrachloro-m-xylene [2]	106	30-150						8/17/17 2:34	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-22

Sampled: 8/3/2017 11:36

Sample ID: 17H0199-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.2	30-150							
Decachlorobiphenyl [2]	90.2	30-150							
Tetrachloro-m-xylene [1]	88.7	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-64

Sampled: 8/3/2017 09:45

Sample ID: 17H0199-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.4	30-150						8/17/17 3:08	
Decachlorobiphenyl [2]	62.2	30-150						8/17/17 3:08	
Tetrachloro-m-xylene [1]	63.7	30-150						8/17/17 3:08	
Tetrachloro-m-xylene [2]	71.5	30-150						8/17/17 3:08	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-63

Sampled: 8/3/2017 09:40

Sample ID: 17H0199-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.7	30-150						8/17/17 3:25	
Decachlorobiphenyl [2]	84.3	30-150						8/17/17 3:25	
Tetrachloro-m-xylene [1]	81.9	30-150						8/17/17 3:25	
Tetrachloro-m-xylene [2]	95.0	30-150						8/17/17 3:25	

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-62

Sampled: 8/3/2017 09:35

Sample ID: 17H0199-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.8	30-150						8/17/17 3:42	
Decachlorobiphenyl [2]	85.3	30-150						8/17/17 3:42	
Tetrachloro-m-xylene [1]	88.1	30-150						8/17/17 3:42	
Tetrachloro-m-xylene [2]	100	30-150						8/17/17 3:42	

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-DUP7

Sampled: 8/3/2017 00:00

Sample ID: 17H0199-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.3	30-150						8/17/17 4:00	
Decachlorobiphenyl [2]	59.0	30-150						8/17/17 4:00	
Tetrachloro-m-xylene [1]	63.0	30-150						8/17/17 4:00	
Tetrachloro-m-xylene [2]	71.0	30-150						8/17/17 4:00	

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-DUP6

Sampled: 8/3/2017 00:00

Sample ID: 17H0199-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.8	30-150						8/17/17 4:17	
Decachlorobiphenyl [2]	85.2	30-150						8/17/17 4:17	
Tetrachloro-m-xylene [1]	86.0	30-150						8/17/17 4:17	
Tetrachloro-m-xylene [2]	100	30-150						8/17/17 4:17	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

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

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

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

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

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.959		mg/Kg	1.00		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.948		mg/Kg	1.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.918		mg/Kg	1.00		91.8	30-150			

LCS (B183940-BS1)

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

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

LCS Dup (B183940-BSD1)

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

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

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

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

Matrix Spike (B183940-MS1)

Source: 17H0199-05

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

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

Matrix Spike Dup (B183940-MSD1)

Source: 17H0199-05

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

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

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FLAG/QUALIFIER SUMMARY

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

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

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

CERTIFICATIONS
Certified Analyses included in this Report

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

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

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



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC13-AS-26	8/3/17	10:50	X		0	U
02	WS-AOC13-AS-1		11:43				
03	WS-AOC13-AS-23		11:37				
04	WS-AOC13-AS-21		11:25				
05	WS-AOC13-AS-17		10:40				
06	WS-AOC13-AS-15		10:30				
07	WS-AOC13-AS-16		10:35				
08	WS-AOC13-AS-22		11:36				
09	WS-AOC12E-AS-64		9:45				
10	WS-AOC12E-AS-63		9:40				

Comments:

WS-AOC13-AS-17 (MS-MSD)

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *Mark R. Patel* Date/Time: 8/5/17 14:58
Received by: (signature) *Will Sirotnak* Date/Time: 8-9-17 14:58
Relinquished by: (signature) *Will Sirotnak* Date/Time: 8-3-17 4:45
Received by: (signature) *Will Sirotnak* Date/Time: 8/3/17 10:45
Relinquished by: (signature) *Will Sirotnak* Date/Time: 8/3/17 10:45
Received by: (signature) *Will Sirotnak* Date/Time: 8/3/17 10:45

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

ANALYSIS REQUESTED

(Soxhlet) PCB

Dissolved Metals Samples

- ☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples

- ☐ Field Filtered
☐ Lab to Filter

Matrix Codes:

GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

Preservation Codes:

I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Container Codes:

A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

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



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

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

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

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.1°C, 4.7°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified?
Are there Rushes? F Who was notified?
Are there Short Holds? F Who was notified?

Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? NA
Do all samples have the proper pH? Acid NA Base NA

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

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H0199

Laboratory Sample ID(s):

17H0199-01 thru 17H0199-13

Sample Date(s):

08/03/2017

List RCP Methods Used:

SW-846 8082A

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

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

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

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

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

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

August 17, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0199

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

Sincerely,

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

James M. Georgantas
Project Manager

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

REPORT DATE: 8/17/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0199

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

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

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

CASE NARRATIVE SUMMARY

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

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

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

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

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-26

Sampled: 8/3/2017 10:50

Sample ID: 17H0199-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	97.1	30-150							
Tetrachloro-m-xylene [2]	103	30-150							

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-1

Sampled: 8/3/2017 11:43

Sample ID: 17H0199-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						8/15/17 22:24	
Decachlorobiphenyl [2]	92.6	30-150						8/15/17 22:24	
Tetrachloro-m-xylene [1]	91.7	30-150						8/15/17 22:24	
Tetrachloro-m-xylene [2]	98.3	30-150						8/15/17 22:24	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-23

Sampled: 8/3/2017 11:37

Sample ID: 17H0199-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150						8/15/17 22:42	
Decachlorobiphenyl [2]	99.4	30-150						8/15/17 22:42	
Tetrachloro-m-xylene [1]	101	30-150						8/15/17 22:42	
Tetrachloro-m-xylene [2]	106	30-150						8/15/17 22:42	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-21

Sampled: 8/3/2017 11:25

Sample ID: 17H0199-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150						8/15/17 23:00	
Decachlorobiphenyl [2]	106	30-150						8/15/17 23:00	
Tetrachloro-m-xylene [1]	110	30-150						8/15/17 23:00	
Tetrachloro-m-xylene [2]	115	30-150						8/15/17 23:00	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-17

Sampled: 8/3/2017 10:40

Sample ID: 17H0199-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.8	30-150							
Decachlorobiphenyl [2]	87.1	30-150							
Tetrachloro-m-xylene [1]	82.1	30-150							
Tetrachloro-m-xylene [2]	95.7	30-150							

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-15

Sampled: 8/3/2017 10:30

Sample ID: 17H0199-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.2	30-150						8/17/17 2:16	
Decachlorobiphenyl [2]	90.9	30-150						8/17/17 2:16	
Tetrachloro-m-xylene [1]	90.6	30-150						8/17/17 2:16	
Tetrachloro-m-xylene [2]	104	30-150						8/17/17 2:16	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-16

Sampled: 8/3/2017 10:35

Sample ID: 17H0199-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.1	30-150						8/17/17 2:34	
Decachlorobiphenyl [2]	92.5	30-150						8/17/17 2:34	
Tetrachloro-m-xylene [1]	94.6	30-150						8/17/17 2:34	
Tetrachloro-m-xylene [2]	106	30-150						8/17/17 2:34	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-22

Sampled: 8/3/2017 11:36

Sample ID: 17H0199-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.2	30-150							
Decachlorobiphenyl [2]	90.2	30-150							
Tetrachloro-m-xylene [1]	88.7	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-64

Sampled: 8/3/2017 09:45

Sample ID: 17H0199-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.4	30-150						8/17/17 3:08	
Decachlorobiphenyl [2]	62.2	30-150						8/17/17 3:08	
Tetrachloro-m-xylene [1]	63.7	30-150						8/17/17 3:08	
Tetrachloro-m-xylene [2]	71.5	30-150						8/17/17 3:08	

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-63

Sampled: 8/3/2017 09:40

Sample ID: 17H0199-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.7	30-150						8/17/17 3:25	
Decachlorobiphenyl [2]	84.3	30-150						8/17/17 3:25	
Tetrachloro-m-xylene [1]	81.9	30-150						8/17/17 3:25	
Tetrachloro-m-xylene [2]	95.0	30-150						8/17/17 3:25	

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-62

Sampled: 8/3/2017 09:35

Sample ID: 17H0199-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.8	30-150							
Decachlorobiphenyl [2]	85.3	30-150							
Tetrachloro-m-xylene [1]	88.1	30-150							
Tetrachloro-m-xylene [2]	100	30-150							

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-DUP7

Sampled: 8/3/2017 00:00

Sample ID: 17H0199-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.3	30-150						8/17/17 4:00	
Decachlorobiphenyl [2]	59.0	30-150						8/17/17 4:00	
Tetrachloro-m-xylene [1]	63.0	30-150						8/17/17 4:00	
Tetrachloro-m-xylene [2]	71.0	30-150						8/17/17 4:00	

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-DUP6

Sampled: 8/3/2017 00:00

Sample ID: 17H0199-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.8	30-150						8/17/17 4:17	
Decachlorobiphenyl [2]	85.2	30-150						8/17/17 4:17	
Tetrachloro-m-xylene [1]	86.0	30-150						8/17/17 4:17	
Tetrachloro-m-xylene [2]	100	30-150						8/17/17 4:17	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

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

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

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

Blank (B183940-BLK1)

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

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.959		mg/Kg	1.00		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.948		mg/Kg	1.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.918		mg/Kg	1.00		91.8	30-150			

LCS (B183940-BS1)

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

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

LCS Dup (B183940-BSD1)

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

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

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

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

Matrix Spike (B183940-MS1)

Source: 17H0199-05

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

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

Matrix Spike Dup (B183940-MSD1)

Source: 17H0199-05

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

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

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.

CERTIFICATIONS
Certified Analyses included in this Report

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

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

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



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC13-AS-26	8/3/17	10:50	X		0	U
02	WS-AOC13-AS-1		11:43				
03	WS-AOC13-AS-23		11:37				
04	WS-AOC13-AS-21		11:25				
05	WS-AOC13-AS-17		10:40				
06	WS-AOC13-AS-15		10:30				
07	WS-AOC13-AS-16		10:35				
08	WS-AOC13-AS-22		11:36				
09	WS-AOC12E-AS-64		9:45				
10	WS-AOC12E-AS-63		9:40				

Comments:

WS-AOC13-AS-17 (MS-MSD)

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time:	Detection Limit Requirements	
[Signature]		8/5/17 14:58	MA	
Received by: (signature)		Date/Time:		
[Signature]		8-3-17 14:58		
Relinquished by: (signature)		Date/Time:	RES DEC	
[Signature]		8-3-17 4:45		
Received by: (signature)		Date/Time:	Other	
[Signature]		8/3/17 10:45		
Relinquished by: (signature)		Date/Time:		
[Signature]				
Received by: (signature)		Date/Time:		
[Signature]				

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

[illegible]

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 Kempson

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

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.1°C, 4.7°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tamed with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? T

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

Were trip blanks received? F On COC? NA

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

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

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H0199

Laboratory Sample ID(s):

17H0199-01 thru 17H0199-13

Sample Date(s):

08/03/2017

List RCP Methods Used:

SW-846 8082A

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

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

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

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

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

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

August 28, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0854

Enclosed are results of analyses for samples received by the laboratory on August 15, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 8/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0854

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-14-SE-29	17H0854-01	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-30	17H0854-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-31	17H0854-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-32	17H0854-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-33	17H0854-05	Soil		SM 2540G SW-846 8082A	
EB-40	17H0854-06	Equipment Blank Water		SW-846 8082A	
EB-41	17H0854-07	Equipment Blank Water		SW-846 8082A	
WS-AOC-8-AS-1	17H0854-08	Product/Solid		SW-846 8082A	
WS-AOC-8-AS-2	17H0854-09	Product/Solid		SW-846 8082A	
WS-AOC-8-AS-5	17H0854-10	Product/Solid		SW-846 8082A	
WS-AOC-8-CO-20	17H0854-11	Concrete		SW-846 8082A	
WS-AOC-8-CO-21	17H0854-12	Concrete		SW-846 8082A	
WS-AOC-8-CO-19	17H0854-13	Concrete		SW-846 8082A	
WS-AOC-8-CO-18	17H0854-14	Concrete		SW-846 8082A	
WS-AOC-8-CO-17	17H0854-15	Concrete		SW-846 8082A	
WS-AOC-8-CO-16	17H0854-16	Concrete		SW-846 8082A	
WS-AOC-8-CO-DUP-9	17H0854-17	Concrete		SW-846 8082A	
WS-AOC-7-CO-31	17H0854-18	Concrete		SW-846 8082A	
WS-AOC-7-CO-39	17H0854-19	Concrete		SW-846 8082A	
WS-AOC-7-CO-38	17H0854-20	Concrete		SW-846 8082A	
WS-AOC-7-CO-34	17H0854-21	Concrete		SW-846 8082A	
WS-AOC-7-CO-35	17H0854-22	Concrete		SW-846 8082A	
WS-AOC-7-CO-37	17H0854-23	Concrete		SW-846 8082A	
WS-AOC-7-CO-DUP-8	17H0854-24	Concrete		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

SW-846 8082A**Qualifications:****DL-03**

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17H0854-09RE1[WS-AOC-8-AS-2]

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

17H0854-03[WS-AOC-14-SE-31]

R-05

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

Analyte & Samples(s) Qualified:**Aroclor-1016**

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1016 [2C]

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1260

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1260 [2C]

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

V-06

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

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

B184578-MS1, B184578-MS2, B184578-MSD1, B184578-MSD2

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

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

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

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-29

Sampled: 8/14/2017 12:30

Sample ID: 17H0854-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.33	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1248 [2]	1.9	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1254 [2]	2.1	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1260 [2]	0.87	0.33	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	76.1	30-150						8/21/17 18:20	
Decachlorobiphenyl [2]	85.0	30-150						8/21/17 18:20	
Tetrachloro-m-xylene [1]	88.7	30-150						8/21/17 18:20	
Tetrachloro-m-xylene [2]	97.7	30-150						8/21/17 18:20	

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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

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-30

Sampled: 8/14/2017 13:00

Sample ID: 17H0854-02

Sample Matrix: Soil

Polychlorinated 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	

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-30

Sampled: 8/14/2017 13:00

Sample ID: 17H0854-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	31.0		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-31

Sampled: 8/14/2017 13:30

Sample ID: 17H0854-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.34	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1221 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1232 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1242 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1248 [2]	0.52	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1254 [2]	0.57	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1260 [2]	0.50	0.34	mg/Kg dry	5	P-01, R-05	SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1262 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1268 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.8	30-150						8/21/17 18:56	
Decachlorobiphenyl [2]	90.5	30-150						8/21/17 18:56	
Tetrachloro-m-xylene [1]	85.8	30-150						8/21/17 18:56	
Tetrachloro-m-xylene [2]	98.2	30-150						8/21/17 18:56	

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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

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	29.4		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-32

Sampled: 8/14/2017 13:45

Sample ID: 17H0854-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1221 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1232 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1242 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1248 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1254 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1260 [2]	0.53	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1262 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1268 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.5	30-150							
Decachlorobiphenyl [2]	82.5	30-150							
Tetrachloro-m-xylene [1]	78.3	30-150							
Tetrachloro-m-xylene [2]	88.8	30-150							

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

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

Sample Description:

Work Order: 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

39 Spruce Street * 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							
Decachlorobiphenyl [2]	91.4	30-150							
Tetrachloro-m-xylene [1]	87.0	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-33

Sampled: 8/14/2017 14:15

Sample ID: 17H0854-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	26.5		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: EB-40

Sampled: 8/14/2017 14:00

Sample ID: 17H0854-06

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.7	30-150						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	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: EB-41

Sampled: 8/15/2017 07:00

Sample ID: 17H0854-07

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	58.3	30-150							
Decachlorobiphenyl [2]	59.0	30-150							
Tetrachloro-m-xylene [1]	83.2	30-150							
Tetrachloro-m-xylene [2]	82.9	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-1

Sampled: 8/15/2017 11:05

Sample ID: 17H0854-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.8	30-150						8/25/17 16:59	
Decachlorobiphenyl [2]	78.4	30-150						8/25/17 16:59	
Tetrachloro-m-xylene [1]	68.9	30-150						8/25/17 16:59	
Tetrachloro-m-xylene [2]	64.1	30-150						8/25/17 16:59	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-2

Sampled: 8/15/2017 11:00

Sample ID: 17H0854-09

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.0	30-150						8/27/17 19:26	
Decachlorobiphenyl [2]	73.1	30-150						8/27/17 19:26	
Tetrachloro-m-xylene [1]	96.1	30-150						8/27/17 19:26	
Tetrachloro-m-xylene [2]	94.8	30-150						8/27/17 19:26	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-5

Sampled: 8/15/2017 11:10

Sample ID: 17H0854-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.5	30-150						8/25/17 17:34	
Decachlorobiphenyl [2]	69.9	30-150						8/25/17 17:34	
Tetrachloro-m-xylene [1]	62.6	30-150						8/25/17 17:34	
Tetrachloro-m-xylene [2]	57.2	30-150						8/25/17 17:34	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-20

Sampled: 8/15/2017 11:30

Sample ID: 17H0854-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	51.0	30-150						8/25/17 17:52	
Decachlorobiphenyl [2]	58.8	30-150						8/25/17 17:52	
Tetrachloro-m-xylene [1]	59.9	30-150						8/25/17 17:52	
Tetrachloro-m-xylene [2]	51.3	30-150						8/25/17 17:52	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-21

Sampled: 8/15/2017 11:35

Sample ID: 17H0854-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.9	30-150						8/25/17 18:09	
Decachlorobiphenyl [2]	76.7	30-150						8/25/17 18:09	
Tetrachloro-m-xylene [1]	85.4	30-150						8/25/17 18:09	
Tetrachloro-m-xylene [2]	69.1	30-150						8/25/17 18:09	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-19

Sampled: 8/15/2017 11:25

Sample ID: 17H0854-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.4	30-150							
Decachlorobiphenyl [2]	72.2	30-150							
Tetrachloro-m-xylene [1]	80.0	30-150							
Tetrachloro-m-xylene [2]	73.5	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-18

Sampled: 8/15/2017 11:20

Sample ID: 17H0854-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.7	30-150						8/25/17 18:44	
Decachlorobiphenyl [2]	79.3	30-150						8/25/17 18:44	
Tetrachloro-m-xylene [1]	73.6	30-150						8/25/17 18:44	
Tetrachloro-m-xylene [2]	66.1	30-150						8/25/17 18:44	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-17

Sampled: 8/15/2017 11:15

Sample ID: 17H0854-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.5	30-150						8/25/17 19:02	
Decachlorobiphenyl [2]	78.5	30-150						8/25/17 19:02	
Tetrachloro-m-xylene [1]	88.4	30-150						8/25/17 19:02	
Tetrachloro-m-xylene [2]	74.4	30-150						8/25/17 19:02	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-16

Sampled: 8/15/2017 11:40

Sample ID: 17H0854-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	59.4	30-150						8/25/17 19:19	
Decachlorobiphenyl [2]	67.1	30-150						8/25/17 19:19	
Tetrachloro-m-xylene [1]	68.7	30-150						8/25/17 19:19	
Tetrachloro-m-xylene [2]	66.6	30-150						8/25/17 19:19	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-DUP-9

Sampled: 8/15/2017 00:00

Sample ID: 17H0854-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.8	30-150						8/25/17 19:37	
Decachlorobiphenyl [2]	64.0	30-150						8/25/17 19:37	
Tetrachloro-m-xylene [1]	63.9	30-150						8/25/17 19:37	
Tetrachloro-m-xylene [2]	59.3	30-150						8/25/17 19:37	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-31

Sampled: 8/15/2017 12:00

Sample ID: 17H0854-18

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.9	30-150						8/25/17 20:41	
Decachlorobiphenyl [2]	74.7	30-150						8/25/17 20:41	
Tetrachloro-m-xylene [1]	77.9	30-150						8/25/17 20:41	
Tetrachloro-m-xylene [2]	70.6	30-150						8/25/17 20:41	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-39

Sampled: 8/15/2017 11:45

Sample ID: 17H0854-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.2	30-150							
Decachlorobiphenyl [2]	85.3	30-150							
Tetrachloro-m-xylene [1]	98.0	30-150							
Tetrachloro-m-xylene [2]	79.9	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-38

Sampled: 8/15/2017 12:10

Sample ID: 17H0854-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.5	30-150							
Decachlorobiphenyl [2]	86.4	30-150							
Tetrachloro-m-xylene [1]	97.4	30-150							
Tetrachloro-m-xylene [2]	79.3	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-34

Sampled: 8/15/2017 12:20

Sample ID: 17H0854-21

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1260 [1]	0.12	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.7	30-150							
Decachlorobiphenyl [2]	65.2	30-150							
Tetrachloro-m-xylene [1]	85.0	30-150							
Tetrachloro-m-xylene [2]	71.5	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-35

Sampled: 8/15/2017 12:40

Sample ID: 17H0854-22

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.0	30-150						8/26/17 12:21	
Decachlorobiphenyl [2]	74.9	30-150						8/26/17 12:21	
Tetrachloro-m-xylene [1]	70.7	30-150						8/26/17 12:21	
Tetrachloro-m-xylene [2]	66.3	30-150						8/26/17 12:21	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-37

Sampled: 8/15/2017 13:00

Sample ID: 17H0854-23

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1260 [1]	0.18	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.2	30-150						8/26/17 12:39	
Decachlorobiphenyl [2]	62.6	30-150						8/26/17 12:39	
Tetrachloro-m-xylene [1]	92.3	30-150						8/26/17 12:39	
Tetrachloro-m-xylene [2]	83.3	30-150						8/26/17 12:39	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-DUP-8

Sampled: 8/15/2017 00:00

Sample ID: 17H0854-24

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.1	30-150						8/25/17 22:26	
Decachlorobiphenyl [2]	83.9	30-150						8/25/17 22:26	
Tetrachloro-m-xylene [1]	93.9	30-150						8/25/17 22:26	
Tetrachloro-m-xylene [2]	80.7	30-150						8/25/17 22:26	

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0854-01 [WS-AOC-14-SE-29]	B184295	08/17/17
17H0854-02 [WS-AOC-14-SE-30]	B184295	08/17/17
17H0854-03 [WS-AOC-14-SE-31]	B184295	08/17/17
17H0854-04 [WS-AOC-14-SE-32]	B184295	08/17/17
17H0854-05 [WS-AOC-14-SE-33]	B184295	08/17/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-08 [WS-AOC-8-AS-1]	B184578	2.00	10.0	08/21/17
17H0854-10 [WS-AOC-8-AS-5]	B184578	2.01	10.0	08/21/17
17H0854-11 [WS-AOC-8-CO-20]	B184578	2.00	10.0	08/21/17
17H0854-12 [WS-AOC-8-CO-21]	B184578	2.03	10.0	08/21/17
17H0854-13 [WS-AOC-8-CO-19]	B184578	2.02	10.0	08/21/17
17H0854-14 [WS-AOC-8-CO-18]	B184578	2.02	10.0	08/21/17
17H0854-15 [WS-AOC-8-CO-17]	B184578	2.03	10.0	08/21/17
17H0854-16 [WS-AOC-8-CO-16]	B184578	2.01	10.0	08/21/17
17H0854-17 [WS-AOC-8-CO-DUP-9]	B184578	2.00	10.0	08/21/17
17H0854-18 [WS-AOC-7-CO-31]	B184578	2.05	10.0	08/21/17
17H0854-19 [WS-AOC-7-CO-39]	B184578	2.03	10.0	08/21/17
17H0854-20 [WS-AOC-7-CO-38]	B184578	2.04	10.0	08/21/17
17H0854-21 [WS-AOC-7-CO-34]	B184578	2.05	10.0	08/21/17
17H0854-22 [WS-AOC-7-CO-35]	B184578	2.00	10.0	08/21/17
17H0854-23 [WS-AOC-7-CO-37]	B184578	2.03	10.0	08/21/17
17H0854-24 [WS-AOC-7-CO-DUP-8]	B184578	2.04	10.0	08/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-09RE1 [WS-AOC-8-AS-2]	B184989	2.10	10.0	08/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-01 [WS-AOC-14-SE-29]	B184281	10.0	10.0	08/16/17
17H0854-02 [WS-AOC-14-SE-30]	B184281	10.0	10.0	08/16/17
17H0854-03 [WS-AOC-14-SE-31]	B184281	10.0	10.0	08/16/17
17H0854-04 [WS-AOC-14-SE-32]	B184281	10.0	10.0	08/16/17
17H0854-05 [WS-AOC-14-SE-33]	B184281	10.0	10.0	08/16/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0854-06 [EB-40]	B184505	950	9.50	08/20/17
17H0854-07 [EB-41]	B184505	1000	10.0	08/20/17

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QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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
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Batch B184281 - SW-846 3540C
Blank (B184281-BLK1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	ND	0.020	mg/Kg wet							R-05
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							R-05
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							R-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							R-05
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.175		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.2	30-150			

LCS (B184281-BS1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140			R-05
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.2	40-140			R-05
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.5	40-140			R-05
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			R-05
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			

LCS Dup (B184281-BS1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	0.12	0.020	mg/Kg wet	0.200		59.6	40-140	36.2	*	30	R-05
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		66.3	40-140	31.5	*	30	R-05
Aroclor-1260	0.11	0.020	mg/Kg wet	0.200		53.3	40-140	36.9	*	30	R-05
Aroclor-1260 [2C]	0.11	0.020	mg/Kg wet	0.200		55.1	40-140	31.8	*	30	R-05
Surrogate: Decachlorobiphenyl	0.122		mg/Kg wet	0.200		61.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.127		mg/Kg wet	0.200		63.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.120		mg/Kg wet	0.200		59.9	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.129		mg/Kg wet	0.200		64.7	30-150				

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184578 - SW-846 3540C
Blank (B184578-BLK1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.837		mg/Kg	1.00		83.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.808		mg/Kg	1.00		80.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.850		mg/Kg	1.00		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.819		mg/Kg	1.00		81.9	30-150			

LCS (B184578-BS1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.5	40-140			
Aroclor-1016 [2C]	0.92	0.10	mg/Kg	1.00		91.8	40-140			
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.7	40-140			
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		80.2	40-140			
Surrogate: Decachlorobiphenyl	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.832		mg/Kg	1.00		83.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.821		mg/Kg	1.00		82.1	30-150			

LCS Dup (B184578-BSD1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	0.90	0.10	mg/Kg	1.00		89.7	40-140	0.938	30	
Aroclor-1016 [2C]	0.94	0.10	mg/Kg	1.00		94.0	40-140	2.37	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.8	40-140	0.0915	30	
Aroclor-1260 [2C]	0.81	0.10	mg/Kg	1.00		81.0	40-140	0.978	30	
Surrogate: Decachlorobiphenyl	0.844		mg/Kg	1.00		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.811		mg/Kg	1.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.829		mg/Kg	1.00		82.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.809		mg/Kg	1.00		80.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184578 - SW-846 3540C

Matrix Spike (B184578-MS1)		Source: 17H0854-11		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.79	0.099	mg/Kg	0.990	ND	79.8	40-140			
Aroclor-1016 [2C]	0.75	0.099	mg/Kg	0.990	ND	75.9	40-140			
Aroclor-1260	0.86	0.099	mg/Kg	0.990	ND	86.9	40-140			
Aroclor-1260 [2C]	0.89	0.099	mg/Kg	0.990	ND	89.8	40-140			V-06
Surrogate: Decachlorobiphenyl	0.924		mg/Kg	0.990		93.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.882		mg/Kg	0.990		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.903		mg/Kg	0.990		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.696		mg/Kg	0.990		70.3	30-150			

Matrix Spike (B184578-MS2)		Source: 17H0854-18		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.76	0.099	mg/Kg	0.985	ND	77.0	40-140			
Aroclor-1016 [2C]	0.72	0.099	mg/Kg	0.985	ND	72.8	40-140			
Aroclor-1260	0.82	0.099	mg/Kg	0.985	ND	83.0	40-140			
Aroclor-1260 [2C]	0.85	0.099	mg/Kg	0.985	ND	85.8	40-140			V-06
Surrogate: Decachlorobiphenyl	0.886		mg/Kg	0.985		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.866		mg/Kg	0.985		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.875		mg/Kg	0.985		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.692		mg/Kg	0.985		70.3	30-150			

Matrix Spike Dup (B184578-MSD1)		Source: 17H0854-11		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.90	0.10	mg/Kg	1.00	ND	90.2	40-140	13.1	50	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00	ND	90.1	40-140	18.1	50	
Aroclor-1260	0.90	0.10	mg/Kg	1.00	ND	89.8	40-140	4.27	50	
Aroclor-1260 [2C]	0.94	0.10	mg/Kg	1.00	ND	94.3	40-140	5.89	50	V-06
Surrogate: Decachlorobiphenyl	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.893		mg/Kg	1.00		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.923		mg/Kg	1.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.755		mg/Kg	1.00		75.5	30-150			

Matrix Spike Dup (B184578-MSD2)		Source: 17H0854-18		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.82	0.10	mg/Kg	1.00	ND	82.5	40-140	8.32	50	
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00	ND	80.2	40-140	11.2	50	
Aroclor-1260	0.80	0.10	mg/Kg	1.00	ND	80.3	40-140	1.81	50	
Aroclor-1260 [2C]	0.84	0.10	mg/Kg	1.00	ND	84.4	40-140	0.116	50	V-06
Surrogate: Decachlorobiphenyl	0.811		mg/Kg	1.00		81.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.843		mg/Kg	1.00		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.724		mg/Kg	1.00		72.4	30-150			

Batch B184989 - SW-846 3540C

Blank (B184989-BLK1)				Prepared: 08/26/17 Analyzed: 08/27/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184989 - SW-846 3540C

Blank (B184989-BLK1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.852		mg/Kg	1.00		85.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.855		mg/Kg	1.00		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.913		mg/Kg	1.00		91.3	30-150			

LCS (B184989-BS1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1016	0.98	0.10	mg/Kg	1.00		97.7	40-140			
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		105	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		87.7	40-140			
Surrogate: Decachlorobiphenyl	0.908		mg/Kg	1.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.962		mg/Kg	1.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.959		mg/Kg	1.00		95.9	30-150			

LCS Dup (B184989-BSD1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	2.51	30	
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		107	40-140	1.03	30	
Aroclor-1260	0.86	0.10	mg/Kg	1.00		85.6	40-140	2.41	30	
Aroclor-1260 [2C]	0.90	0.10	mg/Kg	1.00		89.6	40-140	2.12	30	
Surrogate: Decachlorobiphenyl	0.909		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.975		mg/Kg	1.00		97.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.01		mg/Kg	1.00		101	30-150			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 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	

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-29

Lab Sample ID: 17H0854-01 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.9	11.1
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	2.1	27.0
Aroclor-1260	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	0.87	14.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-30

Lab Sample ID: 17H0854-02 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.50	27.3
Aroclor-1254	1	0.000	-0.030	0.030	0.51	
	2	0.000	-0.030	0.030	0.65	24.1
Aroclor-1260	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.47	23.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-31

Lab Sample ID: 17H0854-03 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.52	31.1
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.57	35.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-14-SE-33***SW-846 8082A*Lab Sample ID: 17H0854-05 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.58	27.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-7-CO-34**Lab Sample ID: 17H0854-21 Date(s) Analyzed: 08/26/2017 08/26/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.10	18.2

**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

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS
Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & SampsonAddress: 273 Divided Rd. Rocky Hill, CTPhone: 800 SAMPSONProject Name: English StationProject Location: 510 Grand Ave New Haven, CTProject Number: 2170495Project Manager: Malcolm Becker

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By: TPS

Requested Turnaround Time	
7-Day	☒ 10-Day ☐
Due Date:	
Rush-Approval Required	
1-Day	☐ 3-Day ☐
2-Day	☐ 4-Day ☐
Data Delivery	
Format:	PDF ☒ EXCEL ☒
Other:	
CLP Like Data Pkg Required: ☐	
Email To: <u>beckm@newseinc.com</u>	
Fax To #:	

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC-14-SE-29	8/14/17	1230		X	S	U
2	WS-AOC-14-SE-30		1300		X		
3	WS-AOC-14-SE-31		1330		X		
4	WS-AOC-14-SE-32		1345		X		
5	WS-AOC-14-SE-33		1405		X		
6	EB-40		1400		X	O	
7	EB-41	8/15/17	0700		X	O	
8	WS-AOC-8-AS-1		1105		X	O	
9	WS-AOC-8-AS-2		1100		X	O	
10	WS-AOC-8-AS-5		1110		X	O	

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

3 Container Codes:

A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
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)

1 Matrix Codes:

GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

PCB/POHs

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 1520	Detection Limit Requirements		Special Requirements	
Received by: (signature)		Date/Time: 8/15/17 1710	MA		MA MCP Required	
Relinquished by: (signature)		Date/Time: 8/15/17 1420	CT		MCP Certification Form Required	
Received by: (signature)		Date/Time: 8/15/17 1620	DEC		CT MCP Certification Form Required	
Relinquished by: (signature)		Date/Time: 8/15/17	Other		MA State DW Required	
Received by: (signature)		Date/Time:	PWSID #			
Relinquished by: (signature)		Date/Time:	Project Entity		NECAC and AIHA-LAP, LLC Accredited	
Received by: (signature)		Date/Time:	Government ☐ Federal ☐ City ☐		Municipality ☐ 21 J ☐ Brownfield ☐	
			WRTA ☐		MWRA ☐ School ☐ MBTA ☐	
			Other ☐ Chromatogram ☐ AIHA-LAP, LLC ☐			



17H0854

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

Email: info@contestlabs.com



Company Name: Weston B Sampson
Address: 873 Dividend Rd Derby Hill, CT
Phone: 800-SAMPSON
Project Name: English Station
Project Location: 510 Grand Ave New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Becker
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: TPS

CLP Like Data Pkg Required: ☐Email To: BELSON@wsinc.com

Fax To #:

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:	

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC-8-CO-20	8/15/17	1130		X	O	U
12	WS-AOC-8-CO-21		1135				
13	WS-AOC-8-CO-19		1135				
14	WS-AOC-8-CO-18		1120				
15	WS-AOC-8-CO-17		1115				
16	WS-AOC-8-CO-16		1140				
17	WS-AOC-8-CO-DOP-7						
18	WS-AOC-7-CO-31		1200				
19	WS-AOC-7-CO-39		1145				
20	WS-AOC-7-CO-38		1210				

Comments:

WS-AOC-8-CO-20 is MS/MSD.
WS-AOC-7-CO-31 is MS/MSD.

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:	Special Requirements	
		8/15/17 1510	☐ MA MCP Required ☒ MCP Certification Form Required ☐ CT RCP Required ☐ RCP Certification Form Required	
Received by: (Signature)		Date/Time:		
		8/15/17 1510		
Relinquished by: (Signature)		Date/Time:		
		8/15/17 1210		
Received by: (Signature)		Date/Time:		
		8/15/17 16:20		
Inquired by: (Signature)		Date/Time:		
		8/15/17		
Received by: (Signature)		Date/Time:		



Project Entity		Other	
☐ Government ☐ Federal ☐ City	☐ Municipality ☐ 21 J ☐ Brownfield	☐ MWRA ☐ School ☐ MBTA	☐ Chromatogram ☐ AIHA-LAP, LLC
☐ PCB ONLY ☐ Soxhlet ☐ Non Soxhlet			

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



Company Name: **Weston & Sampson**
 Address: **273 Dividend Rd Rocky Hill CT**
 Phone: **860 5AMPSON**
 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**CLP Like Data Pkg Required: ☐Email To: **Becker@weston-sampson.com**

Fax To #:

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:	

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
21	WS-AOL-7-CO-34	8/15/17	1200		X	0	U
22	WS-AOL-7-CO-35		1240		X	0	U
23	WS-AOL-7-CO-37		1300		X	0	U
24	WS-AOL-7-CO-DUP-8				X	0	U

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature)		Date/Time:	Detection Limit Requirements		Special Requirements	
		8/15/17 1510	MA	☐ MA MCP Required		
Received by: (Signature)		8/15/17 1510		☒ MCP Certification Form Required		
Relinquished by: (Signature)		8/15/17 1621	CT	☒ CT RCP Required		
Received by: (Signature)		8/15/17 1620		☐ RCP Certification Form Required		
Inquired by: (Signature)		8/15/17	Other:	☐ MA State DW Required		
Received by: (Signature)			PWSID #			

Project Entity		Other			
☐ Government	☐ Municipality	☐ MWRA	☐ WRTA	☐ Chromatogram	☐ PCB ONLY
☐ Federal	☐ 21 J	☐ School	☐ MBTA	☐ AIHA-LAP, LLC	☐ Soxhlet
☐ City	☐ Brownfield				☐ Non Soxhlet



NELAP and AIHA-LAP, LLC Accredited

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



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston E. Sampson

Received By WCG Date 8/15/17 Time 16:20

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.1°C/4.6°C
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? T MS/MSD? T

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? Acid N/A Base N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>4</u>	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	<u>5</u>
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	<u>21</u>
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H0854

Laboratory Sample ID(s):

17H0854-01 thru 17H0854-24

Sample Date(s):

08/14/2017,

08/15/2017

List RCP Methods Used:

SW-846 8082A

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

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

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

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

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/28/17
Name of Laboratory: Con-Test Analytical Laboratory

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

September 8, 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: 17H1606

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

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 9/8/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1606

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-AOC7-SO-DUP-29	17H1606-01	Soil		SW-846 1312 SW-846 6020A-B	

CASE NARRATIVE SUMMARY

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

For method 6020, only a select list of metals was requested and reported.

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

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

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

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

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

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H1606

Date Received: 8/30/2017

Field Sample #: WS-AOC7-SO-DUP-29

Sampled: 7/27/2017 00:00

Sample ID: 17H1606-01

Sample Matrix: Soil

SPLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:40	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:40	WSD
Nickel	ND	25	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:40	WSD
Vanadium	930	25	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:40	WSD

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Sample Extraction Data

Prep Method: SW-846 3010A-SW-846 6020A-B

Leachates were extracted on 9/5/2017 per SW-846 1312 in Batch B185509

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1606-01 [WS-AOC7-SO-DUP-29]	B185650	50.0	50.0	09/06/17

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

QUALITY CONTROL
SPLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B185650 - SW-846 3010A
Blank (B185650-BLK1)

Prepared: 09/06/17 Analyzed: 09/07/17

Chromium	ND	5.0	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Vanadium	ND	25	µg/L							

LCS (B185650-BS1)

Prepared: 09/06/17 Analyzed: 09/07/17

Chromium	251	5.0	µg/L	250		100	80-120			
Lead	248	5.0	µg/L	250		99.4	80-120			
Nickel	251	25	µg/L	250		101	80-120			
Vanadium	236	25	µg/L	250		94.3	80-120			

LCS Dup (B185650-BSD1)

Prepared: 09/06/17 Analyzed: 09/07/17

Chromium	257	5.0	µg/L	250		103	80-120	2.45	20	
Lead	251	5.0	µg/L	250		100	80-120	1.05	20	
Nickel	254	25	µg/L	250		102	80-120	1.18	20	
Vanadium	241	25	µg/L	250		96.2	80-120	2.05	20	

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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

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



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotiak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC7-SO-22-3	7/27/17	14:39				
2	WS-AOC7-SO-22-4		14:40				
3	WS-AOC7-SO-23-1		14:41				
4	WS-AOC7-SO-23-2		14:42				
5	WS-AOC7-SO-23-3		14:43				
6	TRIP BLANK	7/27/17	15:20				

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements:

Date/Time: 15:35

Relinquished by: (signature) 7/27/17

Date/Time: 7/27/17 5:35

Received by: (signature) 7/27/17

Date/Time: 7/27/17 7:45

Relinquished by: (signature) 7/27/17

Date/Time: 7/27/17 19:45

Received by: (signature) 7/27/17

Date/Time:

Relinquished by: (signature)

Date/Time:

Received by: (signature)

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

[illegible]

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 7/27/17 Time 1945

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.0, 2.3, 2.1
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified? _____
Are there Rushes? N/A Who was notified? _____
Are there Short Holds? N/A Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>12</u>	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	<u>227</u>
Meoh-	<u>3</u>	250 mL Amb.		250 mL Plastic	<u>2</u>	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	<u>6</u>	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: <u>7/27/17 1945</u>	
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: 17H1606

Laboratory Sample ID(s):

17H1606-01

Sample Date(s):

07/27/2017

List RCP Methods Used:

SW-846 1312, SW-846 6020A-B

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

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

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

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

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 09/08/17
Name of Laboratory: Con-Test Analytical Laboratory

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

September 8, 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: 17H1609

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

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 9/8/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1609

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-AOC7-SO-2-3B	17H1609-01	Soil		SW-846 1312 SW-846 6020A-B	

CASE NARRATIVE SUMMARY

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

For method 6020, only a select list of metals was requested and reported.

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

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

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

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

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

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H1609

Date Received: 8/30/2017

Field Sample #: WS-AOC7-SO-2-3B

Sampled: 7/27/2017 11:16

Sample ID: 17H1609-01

Sample Matrix: Soil

SPLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:51	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:51	WSD
Nickel	ND	25	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:51	WSD
Vanadium	350	25	µg/L	5		SW-846 6020A-B	9/6/17	9/7/17 20:51	WSD

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Sample Extraction Data

Prep Method: SW-846 3010A-SW-846 6020A-B

Leachates were extracted on 9/5/2017 per SW-846 1312 in Batch B185509

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1609-01 [WS-AOC7-SO-2-3B]	B185650	50.0	50.0	09/06/17

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

QUALITY CONTROL
SPLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B185650 - SW-846 3010A
Blank (B185650-BLK1)

Prepared: 09/06/17 Analyzed: 09/07/17

Chromium	ND	5.0	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Vanadium	ND	25	µg/L							

LCS (B185650-BS1)

Prepared: 09/06/17 Analyzed: 09/07/17

Chromium	251	5.0	µg/L	250		100	80-120			
Lead	248	5.0	µg/L	250		99.4	80-120			
Nickel	251	25	µg/L	250		101	80-120			
Vanadium	236	25	µg/L	250		94.3	80-120			

LCS Dup (B185650-BSD1)

Prepared: 09/06/17 Analyzed: 09/07/17

Chromium	257	5.0	µg/L	250		103	80-120	2.45	20	
Lead	251	5.0	µg/L	250		100	80-120	1.05	20	
Nickel	254	25	µg/L	250		102	80-120	1.18	20	
Vanadium	241	25	µg/L	250		96.2	80-120	2.05	20	

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.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

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



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC7-SO-4-2	7/27/17	11:07	X	X	S	V
2	WS-AOC7-SO-4-3A	7/27/17	11:08				
3	WS-AOC7-SO-4-3B	7/27/17	11:09				
4	WS-AOC7-SO-2-1	7/27/17	11:10				
5	WS-AOC7-SO-2-2	7/27/17	11:12				
6	WS-AOC7-SO-2-3A	7/27/17	11:14				
7	WS-AOC7-SO-2-3B	7/27/17	11:16				
8	WS-AOC7-SO-3-1	7/27/17	11:18				
9	WS-AOC7-SO-3-2	7/27/17	11:20				
10	WS-AOC7-SO-3-3A	7/27/17	11:22				

Comments:

Please hold excess volumes for possible SPLP analyses.

Activated for SPLP Cr, Pb, Ni & V - JG 8/30

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

g; M - Medium; L - Low; C - Clean; U - Unknown

Reviewed by: (signature)	Date/Time: 7/27/17	1525
Received by: (signature)	Date/Time: 7/27/17	1525
Redeemed by: (signature)	Date/Time: 7/27/17	1525
Received by: (signature)	Date/Time: 7/27/17	1525
Received by: (signature)	Date/Time: 7/27/17	1525
Received by: (signature)	Date/Time: 7/27/17	1525

Program/Information

7/27/17 1945
☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required
 PWSID #

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotiak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC7-50-3-3B	7/23/17	11:24		X	S	U
12	WS-AOC7-50-5-1		11:26				
13	WS-AOC7-50-5-2		11:27				
14	WS-AOC7-50-5-3A		11:28				
15	WS-AOC7-50-5-3B		11:29				
16	WS-AOC7-50-6-1		11:20				
17	WS-AOC7-50-6-2		11:22				
18	WS-AOC7-50-6-3A		11:24				
19	WS-AOC7-50-6-3B		11:26				
20	WS-AOC7-50-9-1		11:10				

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time	Detection Limit Requirements
<i>[Signature]</i>	7/27/17 10:25	MA
Received by: (signature)	Date/Time	
<i>[Signature]</i>	7/27/17 15:25	CT
Relinquished by: (signature)	Date/Time	
<i>[Signature]</i>	7/27/17 7:45	Other
Received by: (signature)	Date/Time	
<i>[Signature]</i>	7/27/17 19:45	
Relinquished by: (signature)	Date/Time	
<i>[Signature]</i>		

Program Information

7/27/17 19:45
☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

of Containers _____

2 Preservation Code _____

3 Container Code _____

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) _____

ANALYSIS REQUESTED

VOCs
 RSK 15 Metals
 SVOCs
 ETPH
 PAHs
 (Sonketh) PCBs

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 #:

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 7/27/17 Time 1945

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.0, 2.3, 2.1
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified?
Are there Rushes? N/A Who was notified?
Are there Short Holds? N/A Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	20
Meoh-	2	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	4	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: <u>7/27/17</u> <u>1945</u>	
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: 17H1609

Laboratory Sample ID(s):

17H1609-01

Sample Date(s):

07/27/2017

List RCP Methods Used:

SW-846 1312, SW-846 6020A-B

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

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

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

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

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 09/08/17
Name of Laboratory: Con-Test Analytical Laboratory

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



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: 17H1609

Laboratory Sample ID(s):
Sample Date(s):

17H1609-01

07/27/2017

List RCP Methods Used:

SW-846 1312, SW-846 6020A-B

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

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

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

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

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 09/08/17
Name of Laboratory: Con-Test Analytical Laboratory

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

September 14, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1675

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

Sincerely,

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

James M. Georgantas
Project Manager

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

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

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

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

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

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Equipment Blank-58	17H1675-17	Equipment Blank Water		CTDEP ETPH SW-846 6020A-B SW-846 7470A SW-846 8082A SW-846 8260C SW-846 8270D	

CASE NARRATIVE SUMMARY

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

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

SW-846 6010C-D

Qualifications:**DL-04**

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

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

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

Thallium

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

SW-846 8082A

Qualifications:**S-01**

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

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

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

Decachlorobiphenyl [2C]

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

Tetrachloro-m-xylene

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

Tetrachloro-m-xylene [2C]

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

SW-846 8260C

Qualifications:**L-01**

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

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

B185788-BS1

V-16

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

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

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

V-20

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

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

B185788-BS1

SW-846 8270D

Qualifications:**E**

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

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

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

Pyrene

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

L-04

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

Analyte & Samples(s) Qualified:**4-Chloroaniline**

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

RL-03

Elevated reporting limit based on lowest point in calibration.

Requested reporting limit not met.

Analyte & Samples(s) Qualified:**Bis(2-Ethylhexyl)phthalate**

17H1675-17[Equipment Blank-58]

Hexachlorobenzene

17H1675-17[Equipment Blank-58]

Pentachlorophenol

17H1675-17[Equipment Blank-58]

V-05

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

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

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

V-16

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

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

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

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-33

Sampled: 8/31/2017 10:00

Sample ID: 17H1675-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1260 [2]	0.17	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.6	30-150							
Decachlorobiphenyl [2]	94.9	30-150							
Tetrachloro-m-xylene [1]	86.5	30-150							
Tetrachloro-m-xylene [2]	89.6	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-33

Sampled: 8/31/2017 10:00

Sample ID: 17H1675-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-34

Sampled: 8/31/2017 10:10

Sample ID: 17H1675-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1260 [2]	0.24	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.6	30-150						9/13/17 17:27	
Decachlorobiphenyl [2]	89.8	30-150						9/13/17 17:27	
Tetrachloro-m-xylene [1]	81.9	30-150						9/13/17 17:27	
Tetrachloro-m-xylene [2]	85.4	30-150						9/13/17 17:27	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-34

Sampled: 8/31/2017 10:10

Sample ID: 17H1675-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-35

Sampled: 8/31/2017 10:20

Sample ID: 17H1675-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1260 [2]	0.21	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.9	30-150							
Decachlorobiphenyl [2]	94.1	30-150							
Tetrachloro-m-xylene [1]	86.5	30-150							
Tetrachloro-m-xylene [2]	88.4	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-35

Sampled: 8/31/2017 10:20

Sample ID: 17H1675-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-36

Sampled: 8/31/2017 10:30

Sample ID: 17H1675-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1260 [2]	0.61	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.7	30-150							
Decachlorobiphenyl [2]	96.6	30-150							
Tetrachloro-m-xylene [1]	87.8	30-150							
Tetrachloro-m-xylene [2]	91.9	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-36

Sampled: 8/31/2017 10:30

Sample ID: 17H1675-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-37

Sampled: 8/31/2017 10:40

Sample ID: 17H1675-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1221 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1232 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1242 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1248 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1254 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1260 [1]	6.2	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1262 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1268 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			9/14/17 5:10	
Decachlorobiphenyl [2]	*	30-150			S-01			9/14/17 5:10	
Tetrachloro-m-xylene [1]	*	30-150			S-01			9/14/17 5:10	
Tetrachloro-m-xylene [2]	*	30-150			S-01			9/14/17 5:10	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-37

Sampled: 8/31/2017 10:40

Sample ID: 17H1675-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-38

Sampled: 8/31/2017 10:50

Sample ID: 17H1675-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1260 [2]	0.32	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.0	30-150							
Decachlorobiphenyl [2]	83.5	30-150							
Tetrachloro-m-xylene [1]	83.8	30-150							
Tetrachloro-m-xylene [2]	84.2	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-38

Sampled: 8/31/2017 10:50

Sample ID: 17H1675-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-39

Sampled: 8/31/2017 11:00

Sample ID: 17H1675-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1260 [1]	0.14	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.6	30-150							
Decachlorobiphenyl [2]	98.1	30-150							
Tetrachloro-m-xylene [1]	89.4	30-150							
Tetrachloro-m-xylene [2]	92.5	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-39

Sampled: 8/31/2017 11:00

Sample ID: 17H1675-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-17-0

Sampled: 8/31/2017 11:10

Sample ID: 17H1675-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1260 [2]	0.096	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.4	30-150							
Decachlorobiphenyl [2]	64.1	30-150							
Tetrachloro-m-xylene [1]	61.4	30-150							
Tetrachloro-m-xylene [2]	63.0	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-17-0

Sampled: 8/31/2017 11:10

Sample ID: 17H1675-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-18-0

Sampled: 8/31/2017 11:15

Sample ID: 17H1675-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1260 [1]	0.86	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.7	30-150							
Decachlorobiphenyl [2]	72.6	30-150							
Tetrachloro-m-xylene [1]	64.7	30-150							
Tetrachloro-m-xylene [2]	66.6	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-18-0

Sampled: 8/31/2017 11:15

Sample ID: 17H1675-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-19-0

Sampled: 8/31/2017 11:20

Sample ID: 17H1675-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1260 [2]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.0	30-150							
Decachlorobiphenyl [2]	66.5	30-150							
Tetrachloro-m-xylene [1]	61.1	30-150							
Tetrachloro-m-xylene [2]	64.4	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-19-0

Sampled: 8/31/2017 11:20

Sample ID: 17H1675-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-20-0

Sampled: 8/31/2017 11:30

Sample ID: 17H1675-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	53.4	30-150							
Decachlorobiphenyl [2]	58.3	30-150							
Tetrachloro-m-xylene [1]	56.8	30-150							
Tetrachloro-m-xylene [2]	58.9	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-20-0

Sampled: 8/31/2017 11:30

Sample ID: 17H1675-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SO-3-0

Sampled: 8/31/2017 11:40

Sample ID: 17H1675-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1260 [2]	0.31	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	42.7	30-150							
Decachlorobiphenyl [2]	56.5	30-150							
Tetrachloro-m-xylene [1]	44.1	30-150							
Tetrachloro-m-xylene [2]	45.2	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SO-3-0

Sampled: 8/31/2017 11:40

Sample ID: 17H1675-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC9-SO-45-0

Sampled: 8/31/2017 12:00

Sample ID: 17H1675-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1260 [1]	0.27	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	63.2	30-150							
Decachlorobiphenyl [2]	69.9	30-150							
Tetrachloro-m-xylene [1]	64.3	30-150							
Tetrachloro-m-xylene [2]	66.1	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC9-SO-45-0

Sampled: 8/31/2017 12:00

Sample ID: 17H1675-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Acrylonitrile	ND	0.0066	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Butanone (MEK)	ND	0.044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Carbon Disulfide	ND	0.0066	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloroform	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Naphthalene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
m+p Xylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	104	70-130							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	99.8	70-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Acenaphthene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Acenaphthylene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Aniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Aniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Anthracene	0.49	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Anthracene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(a)anthracene	2.4	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(a)anthracene	2.1	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(a)pyrene	1.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(a)pyrene	1.8	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(b)fluoranthene	2.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(b)fluoranthene	2.9	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(g,h,i)perylene	1.4	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(g,h,i)perylene	1.2	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(k)fluoranthene	1.0	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(k)fluoranthene	1.2	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroethoxy)methane	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroethyl)ether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroisopropyl)ether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Bromophenylphenylether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Butylbenzylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Butylbenzylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Carbazole	0.53	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Carbazole	0.49	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chloroaniline	ND	0.87	mg/Kg dry	1	L-04	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chloroaniline	ND	1.7	mg/Kg dry	2	L-04	SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chloro-3-methylphenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chloro-3-methylphenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Chloronaphthalene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Chlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chlorophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chlorophenylphenylether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Chrysene	2.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Chrysene	2.6	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	0.38	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dibenz(a,h)anthracene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dibenzofuran	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Di-n-butylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3,3-Dichlorobenzidine	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Diethylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dimethylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Dimethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dimethylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4,6-Dinitro-2-methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dinitrophenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dinitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dinitrotoluene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,6-Dinitrotoluene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Di-n-octylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Di-n-octylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Fluoranthene	7.5	0.22	mg/Kg dry	1	E	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Fluoranthene	6.3	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Fluorene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorobutadiene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorocyclopentadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorocyclopentadiene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachloroethane	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Indeno(1,2,3-cd)pyrene	1.5	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Indeno(1,2,3-cd)pyrene	1.3	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Isophorone	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Methylnaphthalene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3/4-Methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Naphthalene	0.23	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Naphthalene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Nitrobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Nitrophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Nitrophenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Nitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
N-Nitrosodiphenylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
N-Nitrosodiphenylamine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
N-Nitrosodi-n-propylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
N-Nitrosodi-n-propylamine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pentachloronitrobenzene	ND	0.45	mg/Kg dry	1	V-16	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pentachloronitrobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pentachlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Phenanthrene	4.1	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Phenanthrene	3.6	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Phenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pyrene	6.9	0.22	mg/Kg dry	1	E	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pyrene	5.1	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pyridine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pyridine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
1,2,4-Trichlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4,5-Trichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4,6-Trichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	46.8	30-130	

9/8/17 16:13

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol	39.8	30-130					9/11/17 16:08		
Phenol-d6	47.3	30-130					9/8/17 16:13		
Phenol-d6	41.7	30-130					9/11/17 16:08		
Nitrobenzene-d5	50.2	30-130					9/8/17 16:13		
Nitrobenzene-d5	46.1	30-130					9/11/17 16:08		
2-Fluorobiphenyl	50.5	30-130					9/8/17 16:13		
2-Fluorobiphenyl	48.4	30-130					9/11/17 16:08		
2,4,6-Tribromophenol	49.2	30-130					9/8/17 16:13		
2,4,6-Tribromophenol	44.8	30-130					9/11/17 16:08		
p-Terphenyl-d14	63.4	30-130					9/8/17 16:13		
p-Terphenyl-d14	49.9	30-130					9/11/17 16:08		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1254 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1260 [1]	2.4	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.6	30-150						9/14/17 5:27	
Decachlorobiphenyl [2]	78.4	30-150						9/14/17 5:27	
Tetrachloro-m-xylene [1]	64.7	30-150						9/14/17 5:27	
Tetrachloro-m-xylene [2]	65.6	30-150						9/14/17 5:27	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	600	66	mg/Kg dry	5		CTDEP ETPH	9/12/17	9/13/17 11:53	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	69.8		50-150					9/13/17 11:53	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	30	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Arsenic	39	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Barium	430	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Beryllium	ND	0.33	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Cadmium	3.9	0.33	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Chromium	100	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Copper	310	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Lead	1400	0.98	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Mercury	0.21	0.033	mg/Kg dry	1		SW-846 7471B	9/6/17	9/7/17 14:15	TJK
Nickel	180	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Selenium	ND	6.5	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Silver	ND	13	mg/Kg dry	20	DL-04	SW-846 6010C-D	9/6/17	9/8/17 13:18	QNW
Thallium	ND	65	mg/Kg dry	20	DL-04	SW-846 6010C-D	9/6/17	9/8/17 13:18	QNW
Vanadium	1400	1.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Zinc	1300	1.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.3		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC10-SE-15

Sampled: 8/31/2017 13:00

Sample ID: 17H1675-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1221 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1232 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1242 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1248 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1254 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1260 [2]	430	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1262 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1268 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			9/14/17 6:54	
Decachlorobiphenyl [2]	*	30-150			S-01			9/14/17 6:54	
Tetrachloro-m-xylene [1]	*	30-150			S-01			9/14/17 6:54	
Tetrachloro-m-xylene [2]	*	30-150			S-01			9/14/17 6:54	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC10-SE-15

Sampled: 8/31/2017 13:00

Sample ID: 17H1675-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.6		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Trip Blank

Sampled: 8/31/2017 00:00

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.18	0.10	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Trip Blank

Sampled: 8/31/2017 00:00

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.0	70-130						9/6/17 15:22	
Toluene-d8	93.7	70-130						9/6/17 15:22	
4-Bromofluorobenzene	88.7	70-130						9/6/17 15:22	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	117	70-130							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	96.4	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	42.3	15-110						9/8/17 10:48	
Phenol-d6	25.7	15-110						9/8/17 10:48	
Nitrobenzene-d5	70.2	30-130						9/11/17 15:02	
Nitrobenzene-d5	69.6	30-130						9/8/17 10:48	
2-Fluorobiphenyl	70.6	30-130						9/8/17 10:48	
2-Fluorobiphenyl	72.2	30-130						9/11/17 15:02	
2,4,6-Tribromophenol	82.1	15-110						9/8/17 10:48	
p-Terphenyl-d14	63.2	30-130						9/11/17 15:02	
p-Terphenyl-d14	90.0	30-130						9/8/17 10:48	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.2	30-150							
Decachlorobiphenyl [2]	60.4	30-150							
Tetrachloro-m-xylene [1]	76.8	30-150							
Tetrachloro-m-xylene [2]	75.7	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/7/17	9/12/17 19:15	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	88.8		50-150					9/12/17 19:15	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/6/17	9/7/17 9:06	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data**Prep Method: SW-846 3546-CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185980	30.0	1.00	09/12/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185690	1000	1.00	09/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1675-01 [WS-AOC13-SO-33]	B185578	09/06/17
17H1675-02 [WS-AOC13-SO-34]	B185578	09/06/17
17H1675-03 [WS-AOC13-SO-35]	B185578	09/06/17
17H1675-04 [WS-AOC13-SO-36]	B185578	09/06/17
17H1675-05 [WS-AOC13-SO-37]	B185578	09/06/17
17H1675-06 [WS-AOC13-SO-38]	B185578	09/06/17
17H1675-07 [WS-AOC13-SO-39]	B185578	09/06/17
17H1675-08 [WS-AOC7-SO-17-0]	B185578	09/06/17
17H1675-09 [WS-AOC7-SO-18-0]	B185578	09/06/17
17H1675-10 [WS-AOC7-SO-19-0]	B185578	09/06/17
17H1675-11 [WS-AOC7-SO-20-0]	B185578	09/06/17
17H1675-12 [WS-AOC8-SO-3-0]	B185578	09/06/17
17H1675-13 [WS-AOC9-SO-45-0]	B185578	09/06/17
17H1675-14 [WS-AOC8-SE-25]	B185578	09/06/17
17H1675-15 [WS-AOC10-SE-15]	B185578	09/06/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185638	1.00	50.0	09/06/17

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185847	50.0	50.0	09/08/17

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185607	6.00	6.00	09/06/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185635	0.604	50.0	09/06/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-01 [WS-AOC13-SO-33]	B185858	10.3	10.0	09/08/17
17H1675-02 [WS-AOC13-SO-34]	B185858	10.4	10.0	09/08/17
17H1675-03 [WS-AOC13-SO-35]	B185858	10.3	10.0	09/08/17
17H1675-04 [WS-AOC13-SO-36]	B185858	10.4	10.0	09/08/17
17H1675-05 [WS-AOC13-SO-37]	B185858	10.2	10.0	09/08/17
17H1675-06 [WS-AOC13-SO-38]	B185858	10.0	10.0	09/08/17
17H1675-07 [WS-AOC13-SO-39]	B185858	10.0	10.0	09/08/17
17H1675-08 [WS-AOC7-SO-17-0]	B185858	10.0	10.0	09/08/17
17H1675-09 [WS-AOC7-SO-18-0]	B185858	10.3	10.0	09/08/17
17H1675-10 [WS-AOC7-SO-19-0]	B185858	10.4	10.0	09/08/17
17H1675-11 [WS-AOC7-SO-20-0]	B185858	10.1	10.0	09/08/17
17H1675-12 [WS-AOC8-SO-3-0]	B185858	10.0	10.0	09/08/17
17H1675-13 [WS-AOC9-SO-45-0]	B185858	10.1	10.0	09/08/17
17H1675-14 [WS-AOC8-SE-25]	B185858	10.1	10.0	09/08/17
17H1675-15 [WS-AOC10-SE-15]	B185858	10.3	10.0	09/08/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185770	950	9.00	09/07/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185515	5.92	10.0	09/05/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-16 [Trip Blank]	B185582	5.00	10.0	09/06/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185788	5	5.00	09/08/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17
17H1675-14RE1 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185689	1000	1.00	09/07/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185949	1000	1.00	09/07/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185515 - SW-846 5035
Blank (B185515-BLK1)

Prepared & Analyzed: 09/05/17

Acetone	ND	0.10	mg/Kg wet
Acrylonitrile	ND	0.0060	mg/Kg wet
Benzene	ND	0.0020	mg/Kg wet
Bromobenzene	ND	0.0020	mg/Kg wet
Bromodichloromethane	ND	0.0020	mg/Kg wet
Bromoform	ND	0.0020	mg/Kg wet
Bromomethane	ND	0.010	mg/Kg wet
2-Butanone (MEK)	ND	0.040	mg/Kg wet
n-Butylbenzene	ND	0.0020	mg/Kg wet
sec-Butylbenzene	ND	0.0020	mg/Kg wet
tert-Butylbenzene	ND	0.0020	mg/Kg wet
Carbon Disulfide	ND	0.0060	mg/Kg wet
Carbon Tetrachloride	ND	0.0020	mg/Kg wet
Chlorobenzene	ND	0.0020	mg/Kg wet
Chlorodibromomethane	ND	0.0010	mg/Kg wet
Chloroethane	ND	0.020	mg/Kg wet
Chloroform	ND	0.0040	mg/Kg wet
Chloromethane	ND	0.010	mg/Kg wet
2-Chlorotoluene	ND	0.0020	mg/Kg wet
4-Chlorotoluene	ND	0.0020	mg/Kg wet
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet
Dibromomethane	ND	0.0020	mg/Kg wet
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet
1,1-Dichloroethane	ND	0.0020	mg/Kg wet
1,2-Dichloroethane	ND	0.0020	mg/Kg wet
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
1,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,3-Dichloropropane	ND	0.0010	mg/Kg wet
2,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,1-Dichloropropene	ND	0.0020	mg/Kg wet
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
Ethylbenzene	ND	0.0020	mg/Kg wet
Hexachlorobutadiene	ND	0.0020	mg/Kg wet
2-Hexanone (MBK)	ND	0.020	mg/Kg wet
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet
Methylene Chloride	ND	0.020	mg/Kg wet
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet
Naphthalene	ND	0.0040	mg/Kg wet
n-Propylbenzene	ND	0.0020	mg/Kg wet
Styrene	ND	0.0020	mg/Kg wet
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185515 - SW-846 5035
Blank (B185515-BLK1)

Prepared & Analyzed: 09/05/17

Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0582		mg/Kg wet	0.0500		116	70-130			
Surrogate: Toluene-d8	0.0530		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.0511		mg/Kg wet	0.0500		102	70-130			

LCS (B185515-BS1)

Prepared & Analyzed: 09/05/17

Acetone	0.197	0.10	mg/Kg wet	0.200		98.4	70-130			
Acrylonitrile	0.0233	0.0060	mg/Kg wet	0.0200		117	70-130			
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
Bromobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.5	70-130			
Bromodichloromethane	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
Bromomethane	0.0207	0.010	mg/Kg wet	0.0200		103	70-130			
2-Butanone (MEK)	0.225	0.040	mg/Kg wet	0.200		113	70-130			
n-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
sec-Butylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
Carbon Disulfide	0.229	0.0060	mg/Kg wet	0.200		114	70-130			
Carbon Tetrachloride	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130			
Chlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Chloroethane	0.0183	0.020	mg/Kg wet	0.0200		91.6	70-130			
Chloroform	0.0192	0.0040	mg/Kg wet	0.0200		95.9	70-130			
Chloromethane	0.0220	0.010	mg/Kg wet	0.0200		110	70-130			
2-Chlorotoluene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
4-Chlorotoluene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dibromoethane (EDB)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Dibromomethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,2-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
trans-1,4-Dichloro-2-butene	0.0189	0.0040	mg/Kg wet	0.0200		94.5	70-130			
Dichlorodifluoromethane (Freon 12)	0.0185	0.020	mg/Kg wet	0.0200		92.3	70-130			
1,1-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichloroethane	0.0235	0.0020	mg/Kg wet	0.0200		117	70-130			
1,1-Dichloroethylene	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185515 - SW-846 5035

LCS (B185515-BS1)

Prepared & Analyzed: 09/05/17

cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
trans-1,2-Dichloroethylene	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130			
1,2-Dichloropropane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,3-Dichloropropane	0.0191	0.0010	mg/Kg wet	0.0200		95.5	70-130			
2,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,1-Dichloropropene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
cis-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130			
trans-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
Ethylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
Hexachlorobutadiene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
2-Hexanone (MBK)	0.212	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		98.1	70-130			
Methylene Chloride	0.0228	0.020	mg/Kg wet	0.0200		114	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0173	0.0040	mg/Kg wet	0.0200		86.3	70-130			
n-Propylbenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130			
Styrene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
1,1,1,2-Tetrachloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		79.2	70-130			V-16
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
1,2,3-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,2,4-Trichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
1,1,1-Trichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,2-Trichloroethane	0.0180	0.0020	mg/Kg wet	0.0200		89.8	70-130			
Trichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
Trichlorofluoromethane (Freon 11)	0.0255	0.010	mg/Kg wet	0.0200		128	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0233	0.010	mg/Kg wet	0.0200		117	70-130			
1,2,4-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
Vinyl Chloride	0.0202	0.010	mg/Kg wet	0.0200		101	70-130			
m+p Xylene	0.0368	0.0040	mg/Kg wet	0.0400		92.0	70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0555		mg/Kg wet	0.0500		111	70-130			
Surrogate: Toluene-d8	0.0527		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0496		mg/Kg wet	0.0500		99.1	70-130			

Batch B185582 - SW-846 5035

Blank (B185582-BLK1)

Prepared & Analyzed: 09/06/17

Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185582 - SW-846 5035
Blank (B185582-BLK1)

Prepared & Analyzed: 09/06/17

n-Butylbenzene	ND	0.0020	mg/Kg wet
sec-Butylbenzene	ND	0.0020	mg/Kg wet
tert-Butylbenzene	ND	0.0020	mg/Kg wet
Carbon Disulfide	ND	0.0060	mg/Kg wet
Carbon Tetrachloride	ND	0.0020	mg/Kg wet
Chlorobenzene	ND	0.0020	mg/Kg wet
Chlorodibromomethane	ND	0.0010	mg/Kg wet
Chloroethane	ND	0.020	mg/Kg wet
Chloroform	ND	0.0040	mg/Kg wet
Chloromethane	ND	0.010	mg/Kg wet
2-Chlorotoluene	ND	0.0020	mg/Kg wet
4-Chlorotoluene	ND	0.0020	mg/Kg wet
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet
Dibromomethane	ND	0.0020	mg/Kg wet
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet
1,1-Dichloroethane	ND	0.0020	mg/Kg wet
1,2-Dichloroethane	ND	0.0020	mg/Kg wet
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
1,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,3-Dichloropropane	ND	0.0010	mg/Kg wet
2,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,1-Dichloropropene	ND	0.0020	mg/Kg wet
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
Ethylbenzene	ND	0.0020	mg/Kg wet
Hexachlorobutadiene	ND	0.0020	mg/Kg wet
2-Hexanone (MBK)	ND	0.020	mg/Kg wet
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet
Methylene Chloride	ND	0.020	mg/Kg wet
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet
Naphthalene	ND	0.0040	mg/Kg wet
n-Propylbenzene	ND	0.0020	mg/Kg wet
Styrene	ND	0.0020	mg/Kg wet
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet
Tetrachloroethylene	ND	0.0020	mg/Kg wet
Tetrahydrofuran	ND	0.010	mg/Kg wet
Toluene	ND	0.0020	mg/Kg wet
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet
Trichloroethylene	ND	0.0020	mg/Kg wet

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185582 - SW-846 5035
Blank (B185582-BLK1)

Prepared & Analyzed: 09/06/17

Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0474		mg/Kg wet	0.0500		94.9	70-130			
Surrogate: Toluene-d8	0.0480		mg/Kg wet	0.0500		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.0457		mg/Kg wet	0.0500		91.3	70-130			

LCS (B185582-BS1)

Prepared & Analyzed: 09/06/17

Acetone	0.136	0.10	mg/Kg wet	0.200		68.0	*	70-130		
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.3		70-130		
Benzene	0.0203	0.0020	mg/Kg wet	0.0200		101		70-130		
Bromobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130		
Bromodichloromethane	0.0229	0.0020	mg/Kg wet	0.0200		114		70-130		
Bromoform	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130		
Bromomethane	0.0232	0.010	mg/Kg wet	0.0200		116		70-130		
2-Butanone (MEK)	0.171	0.040	mg/Kg wet	0.200		85.5		70-130		
n-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.5		70-130		
sec-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.7		70-130		
tert-Butylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130		
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102		70-130		
Carbon Tetrachloride	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130		
Chlorobenzene	0.0227	0.0020	mg/Kg wet	0.0200		114		70-130		
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108		70-130		
Chloroethane	0.0202	0.020	mg/Kg wet	0.0200		101		70-130		
Chloroform	0.0208	0.0040	mg/Kg wet	0.0200		104		70-130		
Chloromethane	0.0197	0.010	mg/Kg wet	0.0200		98.7		70-130		
2-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130		
4-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130		
1,2-Dibromo-3-chloropropane (DBCP)	0.0190	0.0020	mg/Kg wet	0.0200		95.1		70-130		
1,2-Dibromoethane (EDB)	0.0217	0.0010	mg/Kg wet	0.0200		108		70-130		
Dibromomethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130		
1,2-Dichlorobenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130		
1,3-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130		
1,4-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130		
trans-1,4-Dichloro-2-butene	0.0188	0.0040	mg/Kg wet	0.0200		93.9		70-130		
Dichlorodifluoromethane (Freon 12)	0.0212	0.020	mg/Kg wet	0.0200		106		70-130		
1,1-Dichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130		
1,2-Dichloroethane	0.0229	0.0020	mg/Kg wet	0.0200		115		70-130		
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		99.5		70-130		
cis-1,2-Dichloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		106		70-130		
trans-1,2-Dichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130		
1,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130		
1,3-Dichloropropane	0.0218	0.0010	mg/Kg wet	0.0200		109		70-130		
2,2-Dichloropropane	0.0177	0.0020	mg/Kg wet	0.0200		88.7		70-130		
1,1-Dichloropropene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130		
cis-1,3-Dichloropropene	0.0215	0.0010	mg/Kg wet	0.0200		107		70-130		
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.6		70-130		

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185582 - SW-846 5035
LCS (B185582-BS1)

Prepared & Analyzed: 09/06/17

Ethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
Hexachlorobutadiene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
2-Hexanone (MBK)	0.191	0.020	mg/Kg wet	0.200		95.7	70-130			
Isopropylbenzene (Cumene)	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0189	0.0040	mg/Kg wet	0.0200		94.4	70-130			
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		108	70-130			
4-Methyl-2-pentanone (MIBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Naphthalene	0.0165	0.0040	mg/Kg wet	0.0200		82.3	70-130			
n-Propylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Styrene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,1,1,2-Tetrachloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2,2-Tetrachloroethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Tetrachloroethylene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
Tetrahydrofuran	0.0201	0.010	mg/Kg wet	0.0200		101	70-130			
Toluene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,2,4-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,1,1-Trichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,1,2-Trichloroethane	0.0233	0.0020	mg/Kg wet	0.0200		116	70-130			
Trichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
Trichlorofluoromethane (Freon 11)	0.0222	0.010	mg/Kg wet	0.0200		111	70-130			
1,2,3-Trichloropropane	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0211	0.010	mg/Kg wet	0.0200		106	70-130			
1,2,4-Trimethylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,3,5-Trimethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		94.1	70-130			
m+p Xylene	0.0427	0.0040	mg/Kg wet	0.0400		107	70-130			
o-Xylene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0457		mg/Kg wet	0.0500		91.4	70-130			
Surrogate: Toluene-d8	0.0471		mg/Kg wet	0.0500		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0486		mg/Kg wet	0.0500		97.3	70-130			

Batch B185788 - SW-846 5030B
Blank (B185788-BLK1)

Prepared & Analyzed: 09/08/17

Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	5.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185788 - SW-846 5030B

Blank (B185788-BLK1)

Prepared & Analyzed: 09/08/17

Chloroform	ND	0.50	µg/L
Chloromethane	ND	0.60	µg/L
2-Chlorotoluene	ND	0.50	µg/L
4-Chlorotoluene	ND	0.50	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
Dibromomethane	ND	0.50	µg/L
1,2-Dichlorobenzene	ND	0.50	µg/L
1,3-Dichlorobenzene	ND	0.50	µg/L
1,4-Dichlorobenzene	ND	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L
1,1-Dichloroethane	ND	0.50	µg/L
1,2-Dichloroethane	ND	0.50	µg/L
1,1-Dichloroethylene	ND	0.50	µg/L
cis-1,2-Dichloroethylene	ND	0.50	µg/L
trans-1,2-Dichloroethylene	ND	1.0	µg/L
1,2-Dichloropropane	ND	0.50	µg/L
1,3-Dichloropropane	ND	0.50	µg/L
2,2-Dichloropropane	ND	0.50	µg/L
1,1-Dichloropropene	ND	0.50	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
Ethylbenzene	ND	0.50	µg/L
Hexachlorobutadiene	ND	0.60	µg/L
2-Hexanone (MBK)	ND	5.0	µg/L
Isopropylbenzene (Cumene)	ND	0.50	µg/L
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L
Methylene Chloride	ND	5.0	µg/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L
Naphthalene	ND	2.0	µg/L
n-Propylbenzene	ND	1.0	µg/L
Styrene	ND	1.0	µg/L
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L
Tetrachloroethylene	ND	1.0	µg/L
Tetrahydrofuran	ND	10	µg/L
Toluene	ND	1.0	µg/L
1,2,3-Trichlorobenzene	ND	2.0	µg/L
1,2,4-Trichlorobenzene	ND	1.0	µg/L
1,1,1-Trichloroethane	ND	0.50	µg/L
1,1,2-Trichloroethane	ND	0.50	µg/L
Trichloroethylene	ND	1.0	µg/L
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L
1,2,3-Trichloropropane	ND	0.50	µg/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L
1,2,4-Trimethylbenzene	ND	0.50	µg/L
1,3,5-Trimethylbenzene	ND	0.50	µg/L
Vinyl Chloride	ND	1.0	µg/L
m+p Xylene	ND	2.0	µg/L

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17						
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	29.6		µg/L	25.0		118	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			
LCS (B185788-BS1)				Prepared & Analyzed: 09/08/17						
Acetone	86.8	10	µg/L	100		86.8	70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102	70-130			
Benzene	11.0	0.50	µg/L	10.0		110	70-130			
Bromobenzene	10.3	0.50	µg/L	10.0		103	70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.0		116	70-130			
Bromoform	9.84	0.50	µg/L	10.0		98.4	70-130			
Bromomethane	11.7	5.0	µg/L	10.0		117	70-130			
2-Butanone (MEK)	95.2	5.0	µg/L	100		95.2	70-130			
n-Butylbenzene	11.6	1.0	µg/L	10.0		116	70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Carbon Disulfide	121	5.0	µg/L	100		121	70-130			
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125	70-130			
Chlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	9.80	0.50	µg/L	10.0		98.0	70-130			
Chloroform	11.6	0.50	µg/L	10.0		116	70-130			
Chloromethane	7.70	0.60	µg/L	10.0		77.0	70-130			
2-Chlorotoluene	10.9	0.50	µg/L	10.0		109	70-130			
4-Chlorotoluene	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.9	1.0	µg/L	10.0		119	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.0	0.50	µg/L	10.0		100	70-130			
trans-1,4-Dichloro-2-butene	10.0	2.0	µg/L	10.0		100	70-130			
Dichlorodifluoromethane (Freon 12)	11.9	0.50	µg/L	10.0		119	70-130			
1,1-Dichloroethane	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichloroethane	11.9	0.50	µg/L	10.0		119	70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108	70-130			
cis-1,2-Dichloroethylene	11.0	0.50	µg/L	10.0		110	70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
2,2-Dichloropropane	13.9	0.50	µg/L	10.0		139 *	70-130			L-01, V-20
1,1-Dichloropropene	11.8	0.50	µg/L	10.0		118	70-130			
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130			
trans-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117	70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106	70-130			
Hexachlorobutadiene	12.5	0.60	µg/L	10.0		125	70-130			
2-Hexanone (MBK)	99.6	5.0	µg/L	100		99.6	70-130			
Isopropylbenzene (Cumene)	10.4	0.50	µg/L	10.0		104	70-130			
p-Isopropyltoluene (p-Cymene)	11.3	0.50	µg/L	10.0		113	70-130			
Methyl tert-Butyl Ether (MTBE)	11.5	0.50	µg/L	10.0		115	70-130			
Methylene Chloride	9.44	5.0	µg/L	10.0		94.4	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
LCS (B185788-BS1)					Prepared & Analyzed: 09/08/17					
4-Methyl-2-pentanone (MIBK)	98.9	5.0	µg/L	100		98.9	70-130			
Naphthalene	9.28	2.0	µg/L	10.0		92.8	70-130			
n-Propylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	8.44	10	µg/L	10.0		84.4	70-130			
Toluene	10.9	1.0	µg/L	10.0		109	70-130			
1,2,3-Trichlorobenzene	10.6	2.0	µg/L	10.0		106	70-130			
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124	70-130			
1,1,2-Trichloroethane	10.7	0.50	µg/L	10.0		107	70-130			
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130			
1,2,3-Trichloropropane	11.6	0.50	µg/L	10.0		116	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	0.50	µg/L	10.0		112	70-130			
1,2,4-Trimethylbenzene	10.9	0.50	µg/L	10.0		109	70-130			
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Vinyl Chloride	9.03	1.0	µg/L	10.0		90.3	70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	28.8		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	4.34		mg/Kg wet	6.67		65.2	30-130			
Surrogate: Phenol-d6	4.66		mg/Kg wet	6.67		69.9	30-130			
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		68.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.41		mg/Kg wet	3.33		72.4	30-130			
Surrogate: 2,4,6-Tribromophenol	7.14		mg/Kg wet	6.67		107	30-130			
Surrogate: p-Terphenyl-d14	3.28		mg/Kg wet	3.33		98.5	30-130			
LCS (B185658-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140			
Aniline	0.727	0.34	mg/Kg wet	1.67		43.6	40-140			†
Anthracene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Benzo(a)pyrene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140			
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.0	40-140			
Bis(2-chloroethyl)ether	1.08	0.34	mg/Kg wet	1.67		64.8	40-140			
Bis(2-chloroisopropyl)ether	1.18	0.34	mg/Kg wet	1.67		70.9	40-140			
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		71.0	40-140			
4-Bromophenylphenylether	1.34	0.34	mg/Kg wet	1.67		80.1	40-140			
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		74.0	40-140			
Carbazole	1.11	0.17	mg/Kg wet	1.67		66.8	40-140			
4-Chloroaniline	0.586	0.66	mg/Kg wet	1.67		35.2	* 40-140			L-04 †
4-Chloro-3-methylphenol	1.25	0.66	mg/Kg wet	1.67		75.2	30-130			
2-Chloronaphthalene	1.13	0.34	mg/Kg wet	1.67		68.0	40-140			
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3	30-130			
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.7	40-140			
Chrysene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Dibenz(a,h)anthracene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140			
Dibenzofuran	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		68.9	40-140			
3,3-Dichlorobenzidine	1.19	0.17	mg/Kg wet	1.67		71.3	40-140			†
2,4-Dichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.8	30-130			
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.7	40-140			
2,4-Dimethylphenol	1.22	0.34	mg/Kg wet	1.67		73.3	30-130			
Dimethylphthalate	1.26	0.34	mg/Kg wet	1.67		75.5	40-140			
4,6-Dinitro-2-methylphenol	0.841	0.34	mg/Kg wet	1.67		50.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
LCS (B185658-BS1)										
Prepared: 09/06/17 Analyzed: 09/07/17										
2,4-Dinitrophenol	0.627	0.66	mg/Kg wet	1.67		37.6	30-130			
2,4-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.4	40-140			
2,6-Dinitrotoluene	1.33	0.34	mg/Kg wet	1.67		80.0	40-140			
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.3	40-140			
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Fluorene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Hexachlorobenzene	1.43	0.34	mg/Kg wet	1.67		85.9	40-140			
Hexachlorobutadiene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140			
Hexachlorocyclopentadiene	0.821	0.34	mg/Kg wet	1.67		49.3	30-140			V-05
Hexachloroethane	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.8	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140			
2-Methylphenol	1.07	0.34	mg/Kg wet	1.67		64.3	30-130			
3/4-Methylphenol	1.17	0.34	mg/Kg wet	1.67		70.3	30-130			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.6	40-140			
3-Nitroaniline	1.02	0.34	mg/Kg wet	1.67		61.1	40-140			†
4-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		72.2	40-140			
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140			
2-Nitrophenol	1.14	0.34	mg/Kg wet	1.67		68.5	30-130			
4-Nitrophenol	1.66	0.66	mg/Kg wet	1.67		99.4	10-130			
N-Nitrosodiphenylamine	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
N-Nitrosodi-n-propylamine	1.21	0.34	mg/Kg wet	1.67		72.7	40-140			
Pentachloronitrobenzene	1.43	0.34	mg/Kg wet	1.67		85.7	40-140			V-16
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.67		60.3	30-130			
Phenanthrene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140			
Phenol	1.21	0.34	mg/Kg wet	1.67		72.6	20-130			
Pyrene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Pyridine	0.665	0.34	mg/Kg wet	1.67		39.9	10-140			†
1,2,4,5-Tetrachlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.9	40-140			
1,2,4-Trichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.6	40-140			
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.1	30-130			
2,4,6-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.9	30-130			
Surrogate: 2-Fluorophenol	5.00		mg/Kg wet	6.67		75.1	30-130			
Surrogate: Phenol-d6	5.23		mg/Kg wet	6.67		78.4	30-130			
Surrogate: Nitrobenzene-d5	2.56		mg/Kg wet	3.33		76.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.61		mg/Kg wet	3.33		78.4	30-130			
Surrogate: 2,4,6-Tribromophenol	7.30		mg/Kg wet	6.67		110	30-130			
Surrogate: p-Terphenyl-d14	2.92		mg/Kg wet	3.33		87.5	30-130			
LCS Dup (B185658-BS1)										
Prepared: 09/06/17 Analyzed: 09/07/17										
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140	1.16	30	
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	0.190	30	
Aniline	0.714	0.34	mg/Kg wet	1.67		42.8	40-140	1.90	50	† ‡
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	3.36	30	
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.4	40-140	2.08	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	1.76	30	
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	0.993	30	
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	0.0335	30	
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	0.352	30	
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.2	40-140	0.293	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
LCS Dup (B185658-BSD1)					Prepared: 09/06/17 Analyzed: 09/07/17					
Bis(2-chloroethyl)ether	1.14	0.34	mg/Kg wet	1.67		68.1	40-140	5.03	30	
Bis(2-chloroisopropyl)ether	1.21	0.34	mg/Kg wet	1.67		72.5	40-140	2.29	30	
Bis(2-Ethylhexyl)phthalate	1.19	0.34	mg/Kg wet	1.67		71.2	40-140	0.309	30	
4-Bromophenylphenylether	1.30	0.34	mg/Kg wet	1.67		78.3	40-140	2.35	30	
Butylbenzylphthalate	1.22	0.34	mg/Kg wet	1.67		73.0	40-140	1.31	30	
Carbazole	1.08	0.17	mg/Kg wet	1.67		64.6	40-140	3.41	30	
4-Chloroaniline	0.576	0.66	mg/Kg wet	1.67		34.5	* 40-140	1.84	30	L-04 †
4-Chloro-3-methylphenol	1.24	0.66	mg/Kg wet	1.67		74.5	30-130	0.935	30	
2-Chloronaphthalene	1.12	0.34	mg/Kg wet	1.67		67.3	40-140	1.00	30	
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.4	30-130	0.117	30	
4-Chlorophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.0	40-140	5.02	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	1.35	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140	7.36	30	
Dibenzofuran	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	0.483	30	
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	0.203	30	
3,3-Dichlorobenzidine	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	6.38	30	† ‡
2,4-Dichlorophenol	1.25	0.34	mg/Kg wet	1.67		75.2	30-130	0.742	30	
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.4	40-140	0.456	30	
2,4-Dimethylphenol	1.19	0.34	mg/Kg wet	1.67		71.2	30-130	2.88	30	
Dimethylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5	40-140	2.71	50	
4,6-Dinitro-2-methylphenol	0.802	0.34	mg/Kg wet	1.67		48.1	30-130	4.71	50	
2,4-Dinitrophenol	0.583	0.66	mg/Kg wet	1.67		35.0	30-130	7.22	50	
2,4-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		77.0	40-140	3.07	30	
2,6-Dinitrotoluene	1.31	0.34	mg/Kg wet	1.67		78.9	40-140	1.36	30	
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.5	40-140	0.275	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	1.64	30	
Fluorene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	2.29	30	
Hexachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.4	40-140	2.91	30	
Hexachlorobutadiene	1.21	0.34	mg/Kg wet	1.67		72.4	40-140	1.25	30	
Hexachlorocyclopentadiene	0.828	0.34	mg/Kg wet	1.67		49.7	30-140	0.809	50	V-05
Hexachloroethane	1.08	0.34	mg/Kg wet	1.67		64.9	40-140	1.99	50	
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	0.384	50	
Isophorone	1.28	0.34	mg/Kg wet	1.67		77.1	40-140	0.390	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140	1.83	30	
2-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.9	30-130	2.55	30	
3/4-Methylphenol	1.20	0.34	mg/Kg wet	1.67		71.8	30-130	2.17	30	
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	1.35	30	
2-Nitroaniline	1.31	0.34	mg/Kg wet	1.67		78.5	40-140	2.59	30	
3-Nitroaniline	0.939	0.34	mg/Kg wet	1.67		56.4	40-140	8.01	30	†
4-Nitroaniline	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	4.50	30	
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.2	40-140	0.336	30	
2-Nitrophenol	1.17	0.34	mg/Kg wet	1.67		70.4	30-130	2.62	30	
4-Nitrophenol	1.60	0.66	mg/Kg wet	1.67		96.0	10-130	3.44	50	‡
N-Nitrosodiphenylamine	1.44	0.34	mg/Kg wet	1.67		86.4	40-140	3.50	30	
N-Nitrosodi-n-propylamine	1.23	0.34	mg/Kg wet	1.67		74.0	40-140	1.85	30	
Pentachloronitrobenzene	1.40	0.34	mg/Kg wet	1.67		84.1	40-140	1.91	30	V-16
Pentachlorophenol	0.967	0.34	mg/Kg wet	1.67		58.0	30-130	3.86	50	
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140	3.81	30	
Phenol	1.21	0.34	mg/Kg wet	1.67		72.5	20-130	0.0827	30	
Pyrene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	2.66	30	
Pyridine	0.657	0.34	mg/Kg wet	1.67		39.4	10-140	1.16	50	†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9	40-140	2.88	30	

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QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185658 - SW-846 3546
LCS Dup (B185658-BSD1)

Prepared: 09/06/17 Analyzed: 09/07/17

1,2,4-Trichlorobenzene	1.22	0.34	mg/Kg wet	1.67		73.2	40-140	0.823	30	
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.4	30-130	0.323	30	
2,4,6-Trichlorophenol	1.20	0.34	mg/Kg wet	1.67		72.2	30-130	2.33	50	
Surrogate: 2-Fluorophenol	5.14		mg/Kg wet	6.67		77.1	30-130			
Surrogate: Phenol-d6	5.30		mg/Kg wet	6.67		79.5	30-130			
Surrogate: Nitrobenzene-d5	2.67		mg/Kg wet	3.33		80.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.67		mg/Kg wet	3.33		80.0	30-130			
Surrogate: 2,4,6-Tribromophenol	7.25		mg/Kg wet	6.67		109	30-130			
Surrogate: p-Terphenyl-d14	2.90		mg/Kg wet	3.33		87.1	30-130			

Batch B185689 - SW-846 3510C
Blank (B185689-BLK1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185689 - SW-846 3510C										
Blank (B185689-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	84.5		µg/L	200		42.3	15-110			
Surrogate: Phenol-d6	52.2		µg/L	200		26.1	15-110			
Surrogate: Nitrobenzene-d5	71.0		µg/L	100		71.0	30-130			
Surrogate: 2-Fluorobiphenyl	70.4		µg/L	100		70.4	30-130			
Surrogate: 2,4,6-Tribromophenol	161		µg/L	200		80.7	15-110			
Surrogate: p-Terphenyl-d14	87.1		µg/L	100		87.1	30-130			
LCS (B185689-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aniline	57.9	5.0	µg/L	100		57.9	40-140			†
Bis(2-chloroethoxy)methane	69.3	10	µg/L	100		69.3	40-140			
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140			
Bis(2-chloroisopropyl)ether	60.8	10	µg/L	100		60.8	40-140			
Bis(2-Ethylhexyl)phthalate	86.7	10	µg/L	100		86.7	40-140			
4-Bromophenylphenylether	74.9	10	µg/L	100		74.9	40-140			
Butylbenzylphthalate	80.6	10	µg/L	100		80.6	40-140			
Carbazole	72.6	10	µg/L	100		72.6	40-140			
4-Chloroaniline	71.6	10	µg/L	100		71.6	40-140			†
4-Chloro-3-methylphenol	74.0	10	µg/L	100		74.0	30-130			
2-Chloronaphthalene	58.8	10	µg/L	100		58.8	40-140			
2-Chlorophenol	61.9	10	µg/L	100		61.9	30-130			
4-Chlorophenylphenylether	71.4	10	µg/L	100		71.4	40-140			
Dibenzofuran	66.8	5.0	µg/L	100		66.8	40-140			
Di-n-butylphthalate	83.9	10	µg/L	100		83.9	40-140			
3,3-Dichlorobenzidine	118	10	µg/L	100		118	40-140			†
2,4-Dichlorophenol	70.3	10	µg/L	100		70.3	30-130			
Diethylphthalate	75.5	10	µg/L	100		75.5	40-140			
2,4-Dimethylphenol	76.5	10	µg/L	100		76.5	30-130			
Dimethylphthalate	71.1	10	µg/L	100		71.1	40-140			
4,6-Dinitro-2-methylphenol	66.0	10	µg/L	100		66.0	30-130			
2,4-Dinitrophenol	52.7	10	µg/L	100		52.7	30-130			
2,4-Dinitrotoluene	66.5	10	µg/L	100		66.5	40-140			
2,6-Dinitrotoluene	69.4	10	µg/L	100		69.4	40-140			
Di-n-octylphthalate	79.3	10	µg/L	100		79.3	40-140			
Hexachlorobenzene	71.4	10	µg/L	100		71.4	40-140			
Hexachlorobutadiene	80.0	10	µg/L	100		80.0	40-140			
Hexachlorocyclopentadiene	42.9	10	µg/L	100		42.9	30-140			V-05
Hexachloroethane	67.8	10	µg/L	100		67.8	40-140			
Isophorone	71.9	10	µg/L	100		71.9	40-140			
2-Methylphenol	51.3	10	µg/L	100		51.3	30-130			
3/4-Methylphenol	52.7	10	µg/L	100		52.7	30-130			
2-Nitroaniline	72.9	10	µg/L	100		72.9	40-140			
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140			†
4-Nitroaniline	70.0	10	µg/L	100		70.0	40-140			
Nitrobenzene	68.8	10	µg/L	100		68.8	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185689 - SW-846 3510C										
LCS (B185689-BS1)										
Prepared: 09/07/17 Analyzed: 09/08/17										
2-Nitrophenol	69.3	10	µg/L	100		69.3	30-130			
4-Nitrophenol	37.7	10	µg/L	100		37.7	10-130			
N-Nitrosodiphenylamine	92.0	10	µg/L	100		92.0	40-140			
N-Nitrosodi-n-propylamine	66.6	10	µg/L	100		66.6	40-140			
Pentachloronitrobenzene	80.9	10	µg/L	100		80.9	40-140			V-16
Pentachlorophenol	54.8	10	µg/L	100		54.8	30-130			
Phenol	27.5	10	µg/L	100		27.5	20-130			
Pyridine	25.4	5.0	µg/L	100		25.4	10-140			†
1,2,4,5-Tetrachlorobenzene	72.1	10	µg/L	100		72.1	40-140			
1,2,4-Trichlorobenzene	67.1	5.0	µg/L	100		67.1	40-140			
2,4,5-Trichlorophenol	65.6	10	µg/L	100		65.6	30-130			
2,4,6-Trichlorophenol	70.0	10	µg/L	100		70.0	30-130			
Surrogate: 2-Fluorophenol	95.9		µg/L	200		48.0	15-110			
Surrogate: Phenol-d6	65.7		µg/L	200		32.8	15-110			
Surrogate: Nitrobenzene-d5	80.3		µg/L	100		80.3	30-130			
Surrogate: 2-Fluorobiphenyl	74.7		µg/L	100		74.7	30-130			
Surrogate: 2,4,6-Tribromophenol	163		µg/L	200		81.6	15-110			
Surrogate: p-Terphenyl-d14	80.2		µg/L	100		80.2	30-130			
LCS Dup (B185689-BS1)										
Prepared: 09/07/17 Analyzed: 09/08/17										
Aniline	58.7	5.0	µg/L	100		58.7	40-140	1.42	50	† ‡
Bis(2-chloroethoxy)methane	68.3	10	µg/L	100		68.3	40-140	1.48	20	
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140	0.0296	20	
Bis(2-chloroisopropyl)ether	60.5	10	µg/L	100		60.5	40-140	0.429	20	
Bis(2-Ethylhexyl)phthalate	84.7	10	µg/L	100		84.7	40-140	2.30	20	
4-Bromophenylphenylether	73.2	10	µg/L	100		73.2	40-140	2.19	20	
Butylbenzylphthalate	78.8	10	µg/L	100		78.8	40-140	2.17	20	
Carbazole	70.4	10	µg/L	100		70.4	40-140	3.08	20	
4-Chloroaniline	73.1	10	µg/L	100		73.1	40-140	2.06	20	†
4-Chloro-3-methylphenol	72.8	10	µg/L	100		72.8	30-130	1.68	20	
2-Chloronaphthalene	59.2	10	µg/L	100		59.2	40-140	0.695	20	
2-Chlorophenol	59.5	10	µg/L	100		59.5	30-130	4.07	20	
4-Chlorophenylphenylether	69.3	10	µg/L	100		69.3	40-140	3.06	20	
Dibenzofuran	65.6	5.0	µg/L	100		65.6	40-140	1.81	20	
Di-n-butylphthalate	83.5	10	µg/L	100		83.5	40-140	0.394	20	
3,3-Dichlorobenzidine	114	10	µg/L	100		114	40-140	3.84	20	† ‡
2,4-Dichlorophenol	68.6	10	µg/L	100		68.6	30-130	2.39	20	
Diethylphthalate	76.1	10	µg/L	100		76.1	40-140	0.818	20	
2,4-Dimethylphenol	74.3	10	µg/L	100		74.3	30-130	2.82	20	
Dimethylphthalate	69.3	10	µg/L	100		69.3	40-140	2.55	50	
4,6-Dinitro-2-methylphenol	65.0	10	µg/L	100		65.0	30-130	1.50	50	
2,4-Dinitrophenol	51.3	10	µg/L	100		51.3	30-130	2.69	50	
2,4-Dinitrotoluene	65.2	10	µg/L	100		65.2	40-140	1.94	20	
2,6-Dinitrotoluene	68.0	10	µg/L	100		68.0	40-140	2.12	20	
Di-n-octylphthalate	78.0	10	µg/L	100		78.0	40-140	1.58	20	
Hexachlorobenzene	70.8	10	µg/L	100		70.8	40-140	0.774	20	
Hexachlorobutadiene	75.9	10	µg/L	100		75.9	40-140	5.28	20	
Hexachlorocyclopentadiene	39.5	10	µg/L	100		39.5	30-140	8.15	50	V-05
Hexachloroethane	65.4	10	µg/L	100		65.4	40-140	3.48	50	
Isophorone	71.4	10	µg/L	100		71.4	40-140	0.726	20	
2-Methylphenol	49.9	10	µg/L	100		49.9	30-130	2.63	20	
3/4-Methylphenol	50.9	10	µg/L	100		50.9	30-130	3.55	20	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185689 - SW-846 3510C

LCS Dup (B185689-BSD1)

Prepared: 09/07/17 Analyzed: 09/08/17

2-Nitroaniline	72.3	10	µg/L	100		72.3	40-140	0.771	20	
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140	0.0310	20	†
4-Nitroaniline	69.5	10	µg/L	100		69.5	40-140	0.702	20	
Nitrobenzene	68.1	10	µg/L	100		68.1	40-140	0.950	20	
2-Nitrophenol	62.5	10	µg/L	100		62.5	30-130	10.3	20	
4-Nitrophenol	35.6	10	µg/L	100		35.6	10-130	5.81	50	‡
N-Nitrosodiphenylamine	91.1	10	µg/L	100		91.1	40-140	0.929	20	
N-Nitrosodi-n-propylamine	65.6	10	µg/L	100		65.6	40-140	1.39	20	
Pentachloronitrobenzene	78.5	10	µg/L	100		78.5	40-140	3.01	20	V-16
Pentachlorophenol	50.6	10	µg/L	100		50.6	30-130	7.97	50	
Phenol	28.5	10	µg/L	100		28.5	20-130	3.46	20	
Pyridine	26.9	5.0	µg/L	100		26.9	10-140	5.85	50	†
1,2,4,5-Tetrachlorobenzene	69.0	10	µg/L	100		69.0	40-140	4.36	20	
1,2,4-Trichlorobenzene	65.3	5.0	µg/L	100		65.3	40-140	2.73	20	
2,4,5-Trichlorophenol	64.4	10	µg/L	100		64.4	30-130	1.86	20	
2,4,6-Trichlorophenol	67.4	10	µg/L	100		67.4	30-130	3.81	50	
Surrogate: 2-Fluorophenol	90.3		µg/L	200		45.1	15-110			
Surrogate: Phenol-d6	60.6		µg/L	200		30.3	15-110			
Surrogate: Nitrobenzene-d5	78.6		µg/L	100		78.6	30-130			
Surrogate: 2-Fluorobiphenyl	70.5		µg/L	100		70.5	30-130			
Surrogate: 2,4,6-Tribromophenol	156		µg/L	200		77.8	15-110			
Surrogate: p-Terphenyl-d14	77.5		µg/L	100		77.5	30-130			

Batch B185949 - SW-846 3510C

Blank (B185949-BLK1)

Prepared: 09/07/17 Analyzed: 09/11/17

Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	80.4		µg/L	100		80.4	30-130			
Surrogate: 2-Fluorobiphenyl	79.4		µg/L	100		79.4	30-130			
Surrogate: p-Terphenyl-d14	67.6		µg/L	100		67.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185949 - SW-846 3510C

LCS (B185949-BS1)

Prepared: 09/07/17 Analyzed: 09/11/17

Acenaphthene (SIM)	80.8	7.5	µg/L	100		80.8	40-140			
Acenaphthylene (SIM)	78.7	7.5	µg/L	100		78.7	40-140			
Anthracene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
Benzo(a)anthracene (SIM)	82.6	1.2	µg/L	100		82.6	40-140			
Benzo(a)pyrene (SIM)	90.1	2.5	µg/L	100		90.1	40-140			
Benzo(b)fluoranthene (SIM)	90.1	1.2	µg/L	100		90.1	40-140			
Benzo(g,h,i)perylene (SIM)	83.4	12	µg/L	100		83.4	40-140			
Benzo(k)fluoranthene (SIM)	86.8	5.0	µg/L	100		86.8	40-140			
Chrysene (SIM)	81.9	5.0	µg/L	100		81.9	40-140			
Dibenz(a,h)anthracene (SIM)	85.3	5.0	µg/L	100		85.3	40-140			
Fluoranthene (SIM)	85.0	12	µg/L	100		85.0	40-140			
Fluorene (SIM)	83.5	25	µg/L	100		83.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
2-Methylnaphthalene (SIM)	77.6	25	µg/L	100		77.6	40-140			
Naphthalene (SIM)	74.3	25	µg/L	100		74.3	40-140			
Phenanthrene (SIM)	81.7	1.2	µg/L	100		81.7	40-140			
Pyrene (SIM)	80.8	25	µg/L	100		80.8	40-140			
Surrogate: Nitrobenzene-d5	87.8		µg/L	100		87.8	30-130			
Surrogate: 2-Fluorobiphenyl	91.0		µg/L	100		91.0	30-130			
Surrogate: p-Terphenyl-d14	77.4		µg/L	100		77.4	30-130			

LCS Dup (B185949-BS1)

Prepared: 09/07/17 Analyzed: 09/11/17

Acenaphthene (SIM)	85.0	7.5	µg/L	100		85.0	40-140	4.95	20	
Acenaphthylene (SIM)	82.4	7.5	µg/L	100		82.4	40-140	4.56	20	
Anthracene (SIM)	88.3	5.0	µg/L	100		88.3	40-140	4.02	20	
Benzo(a)anthracene (SIM)	86.1	1.2	µg/L	100		86.1	40-140	4.12	20	
Benzo(a)pyrene (SIM)	94.3	2.5	µg/L	100		94.3	40-140	4.50	20	
Benzo(b)fluoranthene (SIM)	93.6	1.2	µg/L	100		93.6	40-140	3.78	20	
Benzo(g,h,i)perylene (SIM)	88.5	12	µg/L	100		88.5	40-140	5.87	20	
Benzo(k)fluoranthene (SIM)	90.4	5.0	µg/L	100		90.4	40-140	4.01	20	
Chrysene (SIM)	86.0	5.0	µg/L	100		86.0	40-140	4.80	20	
Dibenz(a,h)anthracene (SIM)	90.9	5.0	µg/L	100		90.9	40-140	6.38	20	
Fluoranthene (SIM)	89.0	12	µg/L	100		89.0	40-140	4.62	20	
Fluorene (SIM)	87.9	25	µg/L	100		87.9	40-140	5.19	20	
Indeno(1,2,3-cd)pyrene (SIM)	90.3	5.0	µg/L	100		90.3	40-140	6.20	20	‡
2-Methylnaphthalene (SIM)	81.5	25	µg/L	100		81.5	40-140	4.93	20	
Naphthalene (SIM)	77.7	25	µg/L	100		77.7	40-140	4.54	20	
Phenanthrene (SIM)	84.3	1.2	µg/L	100		84.3	40-140	3.10	20	
Pyrene (SIM)	84.4	25	µg/L	100		84.4	40-140	4.30	20	
Surrogate: Nitrobenzene-d5	85.6		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	89.8		µg/L	100		89.8	30-130			
Surrogate: p-Terphenyl-d14	71.8		µg/L	100		71.8	30-130			

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QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185770 - SW-846 3510C
Blank (B185770-BLK1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	2.07		µg/L	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.21		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	1.91		µg/L	2.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.86		µg/L	2.00		93.0	30-150			

LCS (B185770-BS1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aroclor-1016	0.49	0.20	µg/L	0.500		97.3	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1260	0.49	0.20	µg/L	0.500		98.3	40-140			
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		95.4	40-140			
Surrogate: Decachlorobiphenyl	1.95		µg/L	2.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.09		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	1.82		µg/L	2.00		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.80		µg/L	2.00		89.9	30-150			

LCS Dup (B185770-BSD1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aroclor-1016	0.52	0.20	µg/L	0.500		103	40-140	6.09	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		111	40-140	2.48	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		99.5	40-140	1.25	20	
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.8	40-140	1.49	20	
Surrogate: Decachlorobiphenyl	2.03		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.20		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	1.91		µg/L	2.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.89		µg/L	2.00		94.7	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185858 - SW-846 3540C
Blank (B185858-BLK1)

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		95.8	30-150			

LCS (B185858-BS1)

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.7	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.8	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.2	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.8	40-140			
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.0	30-150			

LCS Dup (B185858-BSD1)

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.2	40-140	2.73	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	2.79	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	1.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.0	40-140	1.51	30	
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185858 - SW-846 3540C

Matrix Spike (B185858-MS1)

Source: 17H1675-01

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.24	0.087	mg/Kg dry	0.217	ND	109	40-140			
Aroclor-1016 [2C]	0.23	0.087	mg/Kg dry	0.217	ND	107	40-140			
Aroclor-1260	0.41	0.087	mg/Kg dry	0.217	0.16	116	40-140			
Aroclor-1260 [2C]	0.39	0.087	mg/Kg dry	0.217	0.17	103	40-140			
Surrogate: Decachlorobiphenyl	0.197		mg/Kg dry	0.217		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg dry	0.217		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.207		mg/Kg dry	0.217		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.212		mg/Kg dry	0.217		98.0	30-150			

Matrix Spike Dup (B185858-MSD1)

Source: 17H1675-01

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.24	0.088	mg/Kg dry	0.219	ND	109	40-140	0.804	50	
Aroclor-1016 [2C]	0.23	0.088	mg/Kg dry	0.219	ND	106	40-140	0.00359	50	
Aroclor-1260	0.38	0.088	mg/Kg dry	0.219	0.16	101	40-140	7.97	50	
Aroclor-1260 [2C]	0.37	0.088	mg/Kg dry	0.219	0.17	90.6	40-140	6.48	50	
Surrogate: Decachlorobiphenyl	0.198		mg/Kg dry	0.219		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg dry	0.219		99.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.199		mg/Kg dry	0.219		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.207		mg/Kg dry	0.219		94.6	30-150			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185690 - SW-846 3510C										
Blank (B185690-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0970		mg/L	0.100		97.0	50-150			
LCS (B185690-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.772	0.075	mg/L	1.00		77.2	60-120			
Surrogate: o-Terphenyl	0.0991		mg/L	0.100		99.1	50-150			
LCS Dup (B185690-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.750	0.075	mg/L	1.00		75.0	60-120	2.84	30	
Surrogate: o-Terphenyl	0.0956		mg/L	0.100		95.6	50-150			
Batch B185980 - SW-846 3546										
Blank (B185980-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B185980-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	25.2	10	mg/Kg wet	33.3		75.5	60-120			
Surrogate: o-Terphenyl	3.35		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185980-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	23.7	10	mg/Kg wet	33.3		71.1	60-120	5.91	30	
Surrogate: o-Terphenyl	3.16		mg/Kg wet	3.33		94.7	50-150			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185607 - SW-846 7470A Prep										
Blank (B185607-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.00010	mg/L							
LCS (B185607-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00173	0.00010	mg/L	0.00200		86.4	80-120			
LCS Dup (B185607-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00161	0.00010	mg/L	0.00200		80.6	80-120	6.90	20	
Batch B185635 - SW-846 7471										
Blank (B185635-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185635-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.2	1.9	mg/Kg wet	9.36		109	73.7-126.3			
LCS Dup (B185635-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.3	1.9	mg/Kg wet	9.36		110	73.7-126.3	0.571	30	
Batch B185638 - SW-846 3050B										
Blank (B185638-BLK1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185638-BS1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	59.9	5.1	mg/Kg wet	146		41.0	0-210.3			
Arsenic	143	5.1	mg/Kg wet	157		90.9	77.8-122.1			
Barium	316	5.1	mg/Kg wet	339		93.3	82-117.4			
Beryllium	55.8	0.51	mg/Kg wet	58.3		95.8	82.3-117.7			
Cadmium	188	0.51	mg/Kg wet	216		86.9	81.9-118.2			
Chromium	84.5	1.0	mg/Kg wet	88.9		95.1	78.7-120.6			
Copper	183	1.0	mg/Kg wet	184		99.6	80.4-119.6			
Lead	91.0	1.5	mg/Kg wet	94.3		96.4	82.4-117.8			
Nickel	137	1.0	mg/Kg wet	154		88.8	82.2-117.8			
Selenium	186	10	mg/Kg wet	207		89.7	77.1-122.3			
Silver	41.4	1.0	mg/Kg wet	43.8		94.6	74.3-125.4			
Thallium	146	5.1	mg/Kg wet	167		87.6	78.2-121.6			
Vanadium	86.1	2.0	mg/Kg wet	100		86.1	64.8-135.2			
Zinc	188	2.0	mg/Kg wet	209		89.9	79.7-120.8			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185638 - SW-846 3050B
LCS Dup (B185638-BSD1)

Prepared: 09/06/17 Analyzed: 09/08/17

Antimony	54.4	5.0	mg/Kg wet	146		37.2	0-210.3	9.75	30	
Arsenic	142	5.0	mg/Kg wet	157		90.5	77.8-122.1	0.506	30	
Barium	311	5.0	mg/Kg wet	339		91.7	82-117.4	1.65	30	
Beryllium	54.6	0.50	mg/Kg wet	58.3		93.6	82.3-117.7	2.24	30	
Cadmium	187	0.50	mg/Kg wet	216		86.4	81.9-118.2	0.524	30	
Chromium	82.9	1.0	mg/Kg wet	88.9		93.2	78.7-120.6	1.95	30	
Copper	178	1.0	mg/Kg wet	184		96.6	80.4-119.6	3.08	30	
Lead	90.7	1.5	mg/Kg wet	94.3		96.1	82.4-117.8	0.323	30	
Nickel	134	1.0	mg/Kg wet	154		87.1	82.2-117.8	1.92	30	
Selenium	188	10	mg/Kg wet	207		90.8	77.1-122.3	1.18	30	
Silver	40.8	1.0	mg/Kg wet	43.8		93.2	74.3-125.4	1.51	30	
Thallium	146	5.0	mg/Kg wet	167		87.7	78.2-121.6	0.122	30	
Vanadium	85.7	2.0	mg/Kg wet	100		85.7	64.8-135.2	0.423	30	
Zinc	185	2.0	mg/Kg wet	209		88.7	79.7-120.8	1.42	30	

MRL Check (B185638-MRL1)

Prepared: 09/06/17 Analyzed: 09/08/17

Lead	0.595	0.72	mg/Kg wet	0.719		82.8	80-120			
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Batch B185847 - SW-846 3005A
Blank (B185847-BLK1)

Prepared: 09/08/17 Analyzed: 09/11/17

Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Beryllium	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Thallium	ND	1.0	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							

LCS (B185847-BS1)

Prepared: 09/08/17 Analyzed: 09/11/17

Antimony	258	5.0	µg/L	250		103	80-120			
Arsenic	259	2.0	µg/L	250		104	80-120			
Barium	256	50	µg/L	250		102	80-120			
Beryllium	245	2.0	µg/L	250		97.8	80-120			
Cadmium	254	2.5	µg/L	250		102	80-120			
Chromium	254	5.0	µg/L	250		101	80-120			
Copper	257	25	µg/L	250		103	80-120			
Lead	245	5.0	µg/L	250		97.9	80-120			
Nickel	257	25	µg/L	250		103	80-120			
Selenium	253	25	µg/L	250		101	80-120			
Silver	268	2.5	µg/L	250		107	80-120			
Thallium	241	1.0	µg/L	250		96.3	80-120			
Vanadium	231	25	µg/L	250		92.5	80-120			
Zinc	260	50	µg/L	250		104	80-120			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185847 - SW-846 3005A
LCS Dup (B185847-BSD1)

Prepared: 09/08/17 Analyzed: 09/11/17

Antimony	264	5.0	µg/L	250		106	80-120	2.24	20	
Arsenic	255	2.0	µg/L	250		102	80-120	1.54	20	
Barium	262	50	µg/L	250		105	80-120	2.25	20	
Beryllium	251	2.0	µg/L	250		100	80-120	2.57	20	
Cadmium	259	2.5	µg/L	250		104	80-120	1.88	20	
Chromium	253	5.0	µg/L	250		101	80-120	0.406	20	
Copper	256	25	µg/L	250		102	80-120	0.363	20	
Lead	250	5.0	µg/L	250		100	80-120	2.32	20	
Nickel	256	25	µg/L	250		102	80-120	0.302	20	
Selenium	251	25	µg/L	250		101	80-120	0.781	20	
Silver	275	2.5	µg/L	250		110	80-120	2.68	20	
Thallium	251	1.0	µg/L	250		100	80-120	4.04	20	
Vanadium	232	25	µg/L	250		92.7	80-120	0.207	20	
Zinc	259	50	µg/L	250		103	80-120	0.591	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185578 - % Solids

Duplicate (B185578-DUP4)		Source: 17H1675-01		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.7		% Wt		91.4			1.41	20	
Duplicate (B185578-DUP5)		Source: 17H1675-02		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.4		% Wt		91.9			0.543	20	
Duplicate (B185578-DUP6)		Source: 17H1675-03		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	91.6		% Wt		89.7			2.10	20	

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

WS-AOC13-SO-33

SW-846 8082A

Lab Sample ID: 17H1675-01 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-34***SW-846 8082A*

Lab Sample ID: 17H1675-02 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.24	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-35***SW-846 8082A*

Lab Sample ID: 17H1675-03 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-36***SW-846 8082A*

Lab Sample ID: 17H1675-04 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.60	
	2	0.000	-0.030	0.030	0.61	1.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-37

Lab Sample ID: 17H1675-05 Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.2	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-38***SW-846 8082A*

Lab Sample ID: 17H1675-06 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.32	3.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-39***SW-846 8082A*

Lab Sample ID: 17H1675-07 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.13	7.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-17-0**

Lab Sample ID: 17H1675-08 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.094	
	2	0.000	-0.030	0.030	0.096	2.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC7-SO-18-0***SW-846 8082A*

Lab Sample ID: 17H1675-09 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.86	
	2	0.000	-0.030	0.030	0.85	2.3

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-SO-3-0***SW-846 8082A*

Lab Sample ID: 17H1675-12 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.31	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-45-0**

Lab Sample ID: 17H1675-13 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.26	3.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC8-SE-25**

Lab Sample ID: 17H1675-14 Date(s) Analyzed: 09/14/2017 09/14/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.4	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-SE-15

Lab Sample ID: 17H1675-15 Date(s) Analyzed: 09/14/2017 09/14/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	440	
	2	0.000	-0.030	0.030	430	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185770-BS1 Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.54	9.7
Aroclor-1260	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.48	2.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185770-BSD1 Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.55	5.6
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.48	4.1

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS**

Lab Sample ID: B185858-BS1 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185858-BSD1 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

Lab Sample ID: B185858-MS1 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.41	
	2	0.000	-0.030	0.030	0.39	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B185858-MSD1 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.37	2.7

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT
<i>SW-846 6010C-D in Soil</i>	
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
<i>SW-846 6020A-B in Water</i>	
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
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
o-Xylene	CT,NH,NY,ME
<i>SW-846 8260C in Water</i>	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
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
<i>SW-846 8270D in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
<i>SW-846 8270D in Water</i>	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid: Malcolm Beeler (Weston & Sampson)

Invoice Recipient: Chris Berthiaume / Will Sirotak

Sampled By: Chris Berthiaume / Will Sirotak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC13-SO-33	8/31/17	1000	X		S	U
2	WS-AOC13-SO-34		1010				
3	WS-AOC13-SO-35		1020				
4	WS-AOC13-SO-36		1030				
5	WS-AOC13-SO-37		1040				
6	WS-AOC13-SO-38		1050				
7	WS-AOC13-SO-39		1100				
8	WS-AOC13-SO-17-0		1110				
9	WS-AOC7-SO-18-0		1115				
10	WS-AOC7-SO-19-0		1120				

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/31/17	Detection Limit Requirements	MA
Received by: (signature)	Date/Time: 8/31/17 1505		
Relinquished by: (signature)	Date/Time: 9/1/17 900	RES DEC	CT
Received by: (signature)	Date/Time: 9/1/17 9:50 4.3		Other
Relinquished by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:		

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required

PWSID #

WGS 9/1/17
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Weston & Sampson Engineers

273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

English Station

510 Grand Ave, New Haven, CT

2170495

Malcolm Beeler

Malcolm Beeler (Weston & Sampson)

Chris Berthiaume / Will Sirotnak

Chris Berthiaume / Will Sirotnak

Chris Berthiaume / Will Sirotnak

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Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

CHAIN OF CUSTODY RECORD

Requested Turnaround Time	7-Day ☒ 10-Day ☐
Other:	5-day ☐
Rush Approval Required	1-Day ☐ 3-Day ☐
Data Delivery	2-Day ☐ 4-Day ☐
Format:	PDF ☒ EXCEL ☒
Other:	
Enhanced Data Package Required:	☐
Email To:	beelerm@wseinc.com
Fax To #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC7-50-20-0	6/31/17	1130		X	S	U
12	WS-AOC8-50-3-0		1140				
13	WS-AOC9-50-45-0		1200				
14	WS-AOC8-SE-25		1230				
15	WS-AOC10-SE-15		1300				
16	TRIP BLANK						
17	Equipment Blank-58		0800				

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	8/31/17	Detection Limit Requirements
Received by: (signature)	Date/Time:	8/31/17	MA
Relinquished by: (signature)	Date/Time:	9/1/17	CT
Received by: (signature)	Date/Time:	9/1/17	Other
Relinquished by: (signature)	Date/Time:	9/1/17	RES DEC
Received by: (signature)	Date/Time:	9/1/17	
Relinquished by: (signature)	Date/Time:	9/1/17	
Received by: (signature)	Date/Time:	9/1/17	

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

Weg 9/1/17
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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East Longmeadow, MA. 01028
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con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By WCG Date 9/11/17 Time 9:50

How were the samples received? In Cooler T No Cooler On Ice T No Ice
Direct from Sampling Ambient Melted Ice

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.6°C/4.3°C
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? T MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid T Base N/A

Vials	#	Containers:	#	#	#	#
Unp-	<u>3</u>	1 Liter Amb.	<u>6</u>	1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	<u>2</u>	250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	<u>4</u>	Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: <u>WCG 9/11/17</u>
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

D:\HPCHEM\1\DATA\A091217.SEC\A0912007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	579219	601921	-4
c - 10	1.62	584624	601921	-3
c - 12	2.35	601930	601921	0
c - 14	3.01	613611	601921	2
c - 16	3.61	626238	601921	4
c - 18	4.23	617049	601921	3
o-Terphenyl	4.51	684250	601921	
c - 20	4.83	622766	601921	3
c - 22	5.34	629203	601921	5
c - 24	5.77	583868	601921	-3
c - 26	6.16	611957	601921	2
c - 28	6.52	601941	601921	0
c - 30	6.85	596395	601921	-1
c - 32	7.16	582912	601921	-3
c - 34	7.46	587710	601921	-2
c - 36	7.77	589388	601921	-2

* One compound allowed %D <= 50%

Samples
 17H1675-17

D:\HPCHEM\1\DATA\A091217.SEC\A0912039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912039.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	603049	629027	-4
c - 10	1.62	609325	629027	-3
c - 12	2.35	625871	629027	-1
c - 14	3.01	638455	629027	1
c - 16	3.61	652226	629027	4
c - 18	4.23	642382	629027	2
o-Terphenyl	4.51	713285	629027	
c - 20	4.83	648093	629027	3
c - 22	5.34	655317	629027	4
c - 24	5.77	608772	629027	-3
c - 26	6.16	639161	629027	2
c - 28	6.52	629708	629027	0
c - 30	6.85	627878	629027	0
c - 32	7.16	615300	629027	-2
c - 34	7.45	619133	629027	-2
c - 36	7.77	620740	629027	-1

* One compound allowed %D <= 50%

Samples
 17I0112-22
 17I0112-23
 17I0137-01
 17H1672-11

D:\HPCHEM\1\DATA\A091217.SEC\A0912075.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/13/17
 Data File Name A0912075.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	644321	668772	-4
c - 10	1.63	652986	668772	-2
c - 12	2.35	670312	668772	0
c - 14	3.01	682330	668772	2
c - 16	3.61	695447	668772	4
c - 18	4.23	684583	668772	2
o-Terphenyl	4.51	758044	668772	
c - 20	4.83	689892	668772	3
c - 22	5.34	696936	668772	4
c - 24	5.77	646118	668772	-3
c - 26	6.16	678125	668772	1
c - 28	6.52	667022	668772	0
c - 30	6.85	664475	668772	-1
c - 32	7.16	650625	668772	-3
c - 34	7.45	653920	668772	-2
c - 36	7.77	654488	668772	-2

* One compound allowed %D <= 50%

Samples
 17H1675-14
 17I0196-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1675

Laboratory Sample ID(s):
17H1675-01 thru 17H1675-17

Sample Date(s):
08/31/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 6020A-B, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☒ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☒ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☒ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☒ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☒ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☒ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 09/14/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 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: 17I0542

Enclosed are results of analyses for samples received by the laboratory on September 13, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long horizontal flourish extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710542

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-13-SO-5-3R	1710542-01	Soil		SM 2540G SW-846 8270D	
WS-AOC-13-SO-6-1R	1710542-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-13-SO-9-3R	1710542-03	Soil		SM 2540G SW-846 8270D	
WS-AOC-13-SO-19-2R	1710542-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-13-SO-21-1R	1710542-05	Soil		SM 2540G SW-846 8270D	
WS-AOC-13-SO-22-2R	1710542-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-13-SO-23-1R	1710542-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-13-SO-23-2R	1710542-08	Soil		SM 2540G SW-846 8082A	
WS-AOC-13-SO-23-3R	1710542-09	Soil		SM 2540G SW-846 8082A	
WS-AOC-13-SO-25-4R	1710542-10	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-2-3R	1710542-11	Soil		CTDEP ETPH SM 2540G	
WS-AOC-07-SO-3-3R	1710542-12	Soil		CTDEP ETPH SM 2540G	
WS-AOC-07-SO-4-3R	1710542-13	Soil		CTDEP ETPH SM 2540G	
WS-AOC-07-SO-7-2R	1710542-14	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-7-3R	1710542-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-8-1R	1710542-16	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-9-3R	1710542-17	Soil		CTDEP ETPH SM 2540G SW-846 8270D	
WS-AOC-07-SO-DUP62	1710542-18	Soil		CTDEP ETPH SM 2540G	

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.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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**

B186922-BSD1

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:**CT ETPH**

17I0542-11RE1[WS-AOC-07-SO-2-3R], B186922-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:**o-Terphenyl**

17I0542-11[WS-AOC-07-SO-2-3R], 17I0542-12[WS-AOC-07-SO-3-3R], 17I0542-13[WS-AOC-07-SO-4-3R], 17I0542-17[WS-AOC-07-SO-9-3R], 17I0542-18[WS-AOC-07-SO-DUP62]

SW-846 8082A**Qualifications:****P-01**

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1254**

17I0542-09[WS-AOC-13-SO-23-3R]

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**

17I0542-10[WS-AOC-13-SO-25-4R], 17I0542-15[WS-AOC-07-SO-7-3R]

Decachlorobiphenyl [2C]

17I0542-10[WS-AOC-13-SO-25-4R], 17I0542-15[WS-AOC-07-SO-7-3R]

Tetrachloro-m-xylene

17I0542-10[WS-AOC-13-SO-25-4R], 17I0542-15[WS-AOC-07-SO-7-3R]

Tetrachloro-m-xylene [2C]

17I0542-10[WS-AOC-13-SO-25-4R], 17I0542-15[WS-AOC-07-SO-7-3R]

SW-846 8270D**Qualifications:****B**

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:**Benzo(a)anthracene (SIM)**

17I0542-05[WS-AOC-13-SO-21-1R], B186838-BLK1, B186838-BS1, B186838-BSD1

Benzo(b)fluoranthene (SIM)

17I0542-05[WS-AOC-13-SO-21-1R], B186838-BLK1, B186838-BS1, B186838-BSD1

Naphthalene (SIM)

B186838-BLK1, B186838-BS1, B186838-BSD1

Phenanthrene (SIM)

17I0542-01[WS-AOC-13-SO-5-3R], 17I0542-03[WS-AOC-13-SO-9-3R], 17I0542-05[WS-AOC-13-SO-21-1R], 17I0542-17[WS-AOC-07-SO-9-3R], 17I0542-17RE1[WS-AOC-07-SO-9-3R], B186792-BLK1, B186792-BS1, B186792-BSD1, B186838-BLK1, B186838-BS1, B186838-BSD1

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)**

1710542-17[WS-AOC-07-SO-9-3R]

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:**Acenaphthene**

1710542-17[WS-AOC-07-SO-9-3R]

Acenaphthene (SIM)

1710542-17[WS-AOC-07-SO-9-3R], 1710542-17RE1[WS-AOC-07-SO-9-3R]

Anthracene

1710542-17[WS-AOC-07-SO-9-3R]

Anthracene (SIM)

1710542-17[WS-AOC-07-SO-9-3R]

Benzo(a)anthracene

1710542-17[WS-AOC-07-SO-9-3R]

Benzo(b)fluoranthene

1710542-03[WS-AOC-13-SO-9-3R]

Chrysene

1710542-17[WS-AOC-07-SO-9-3R]

Fluoranthene

1710542-03[WS-AOC-13-SO-9-3R], 1710542-17[WS-AOC-07-SO-9-3R]

Fluoranthene (SIM)

1710542-17[WS-AOC-07-SO-9-3R]

Fluorene (SIM)

1710542-17[WS-AOC-07-SO-9-3R]

Naphthalene (SIM)

1710542-17[WS-AOC-07-SO-9-3R]

Phenanthrene

1710542-17[WS-AOC-07-SO-9-3R]

Phenanthrene (SIM)

1710542-17[WS-AOC-07-SO-9-3R]

Pyrene

1710542-03[WS-AOC-13-SO-9-3R], 1710542-17[WS-AOC-07-SO-9-3R]

Pyrene (SIM)

1710542-17[WS-AOC-07-SO-9-3R]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

1710542-01RE1[WS-AOC-13-SO-5-3R]

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-Fluorobiphenyl**

1710542-17RE2[WS-AOC-07-SO-9-3R]

Nitrobenzene-d5

1710542-17RE2[WS-AOC-07-SO-9-3R]

p-Terphenyl-d14

1710542-17RE2[WS-AOC-07-SO-9-3R]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, reading "Tod Kopyscinski". The signature is written in a cursive, flowing style.

Tod E. Kopyscinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-5-3R

Sampled: 9/13/2017 12:17

Sample ID: 1710542-01

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	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Acenaphthylene	ND	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Anthracene	ND	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Benzo(a)anthracene	2.2	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Benzo(a)pyrene	2.5	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Benzo(b)fluoranthene	3.2	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Benzo(g,h,i)perylene	2.4	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Benzo(k)fluoranthene	1.1	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Chrysene	2.2	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Dibenz(a,h)anthracene	ND	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Fluoranthene	3.8	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Fluorene	ND	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Indeno(1,2,3-cd)pyrene	1.8	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
2-Methylnaphthalene	ND	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Naphthalene	ND	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Phenanthrene	1.5	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Pyrene	3.5	1.0	mg/Kg dry	5		SW-846 8270D	9/22/17	9/25/17 10:33	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	66.2	30-130							
2-Fluorobiphenyl	56.3	30-130							
p-Terphenyl-d14	58.2	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-5-3R

Sampled: 9/13/2017 12:17

Sample ID: 1710542-01

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	84.8		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-5-3R

Sampled: 9/13/2017 12:17

Sample ID: 1710542-01

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Benzo(a)anthracene (SIM)	0.071	0.050	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Benzo(b)fluoranthene (SIM)	0.075	0.050	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Phenanthrene (SIM)	0.21	0.050	µg/L	1	B	SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:02	CJM
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	71.8	30-130							
2-Fluorobiphenyl	71.1	30-130							
p-Terphenyl-d14	41.7	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-6-1R

Sampled: 9/13/2017 12:26

Sample ID: 1710542-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1260 [2]	0.16	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	63.5	30-150							
Decachlorobiphenyl [2]	77.5	30-150							
Tetrachloro-m-xylene [1]	80.4	30-150							
Tetrachloro-m-xylene [2]	77.4	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-6-1R

Sampled: 9/13/2017 12:26

Sample ID: 1710542-02

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	93.2		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-6-1R

Sampled: 9/13/2017 12:26

Sample ID: 1710542-02

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	9/21/17	9/23/17 12:33	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:33	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.4	30-150						9/23/17 12:33	
Decachlorobiphenyl [2]	78.5	30-150						9/23/17 12:33	
Tetrachloro-m-xylene [1]	93.2	30-150						9/23/17 12:33	
Tetrachloro-m-xylene [2]	92.7	30-150						9/23/17 12:33	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-9-3R

Sampled: 9/13/2017 12:36

Sample ID: 1710542-03

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	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Acenaphthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Acenaphthylene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Anthracene	0.52	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Benzo(a)anthracene	4.5	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Benzo(a)anthracene	3.2	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Benzo(a)pyrene	4.2	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Benzo(a)pyrene	3.3	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Benzo(b)fluoranthene	5.1	0.21	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Benzo(b)fluoranthene	3.9	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Benzo(g,h,i)perylene	1.8	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Benzo(g,h,i)perylene	1.5	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Benzo(k)fluoranthene	2.0	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Benzo(k)fluoranthene	1.6	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Chrysene	4.2	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Chrysene	2.9	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Dibenz(a,h)anthracene	0.57	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Fluoranthene	9.2	0.21	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Fluoranthene	6.0	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Fluorene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Indeno(1,2,3-cd)pyrene	2.2	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Naphthalene	0.33	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Naphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Phenanthrene	2.5	0.21	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Phenanthrene	1.9	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL
Pyrene	8.8	0.21	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:59	BGL
Pyrene	5.7	0.85	mg/Kg dry	4		SW-846 8270D	9/20/17	9/21/17 16:06	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Nitrobenzene-d5	50.2	30-130	9/21/17 13:59
Nitrobenzene-d5	40.4	30-130	9/21/17 16:06
2-Fluorobiphenyl	53.6	30-130	9/21/17 13:59
2-Fluorobiphenyl	41.4	30-130	9/21/17 16:06
p-Terphenyl-d14	56.4	30-130	9/21/17 13:59
p-Terphenyl-d14	39.3	30-130	9/21/17 16:06

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-9-3R

Sampled: 9/13/2017 12:36

Sample ID: 1710542-03

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	78.6		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-9-3R

Sampled: 9/13/2017 12:36

Sample ID: 1710542-03

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Benzo(a)anthracene (SIM)	0.18	0.050	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Benzo(a)pyrene (SIM)	0.18	0.10	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Benzo(b)fluoranthene (SIM)	0.24	0.050	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Chrysene (SIM)	0.20	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Phenanthrene (SIM)	0.26	0.050	µg/L	1	B	SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:31	CJM
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	59.3	30-130						9/22/17 17:31	
2-Fluorobiphenyl	62.9	30-130						9/22/17 17:31	
p-Terphenyl-d14	51.9	30-130						9/22/17 17:31	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-19-2R

Sampled: 9/13/2017 12:46

Sample ID: 1710542-04

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	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1260 [2]	0.61	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 12:57	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.4	30-150							
Decachlorobiphenyl [2]	91.6	30-150							
Tetrachloro-m-xylene [1]	90.8	30-150							
Tetrachloro-m-xylene [2]	87.7	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-19-2R

Sampled: 9/13/2017 12:46

Sample ID: 1710542-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-19-2R

Sampled: 9/13/2017 12:46

Sample ID: 1710542-04

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	9/21/17	9/23/17 12:59	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Aroclor-1260 [1]	0.34	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 12:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.2	30-150							
Decachlorobiphenyl [2]	105	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-21-1R

Sampled: 9/13/2017 12:53

Sample ID: 1710542-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Benzo(a)anthracene	0.39	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Benzo(a)pyrene	0.54	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Benzo(b)fluoranthene	0.57	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Benzo(g,h,i)perylene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Benzo(k)fluoranthene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Chrysene	0.42	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Fluoranthene	0.49	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Indeno(1,2,3-cd)pyrene	0.35	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Pyrene	0.76	0.19	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 14:24	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	57.4	30-130							
2-Fluorobiphenyl	69.9	30-130							
p-Terphenyl-d14	80.1	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-21-1R

Sampled: 9/13/2017 12:53

Sample ID: 1710542-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-21-1R

Sampled: 9/13/2017 12:53

Sample ID: 1710542-05

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)	ND	0.30	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Benzo(a)anthracene (SIM)	0.082	0.050	µg/L	1	B	SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Benzo(a)pyrene (SIM)	0.14	0.10	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Benzo(b)fluoranthene (SIM)	0.22	0.050	µg/L	1	B	SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Indeno(1,2,3-cd)pyrene (SIM)	0.21	0.20	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Phenanthrene (SIM)	0.10	0.050	µg/L	1	B	SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/22/17	9/25/17 21:00	CJM
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	95.2	30-130							
2-Fluorobiphenyl	92.9	30-130							
p-Terphenyl-d14	80.9	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-22-2R

Sampled: 9/13/2017 13:03

Sample ID: 1710542-06

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	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1254 [1]	0.79	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1260 [1]	2.0	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.6	30-150						9/25/17 13:24	
Decachlorobiphenyl [2]	91.0	30-150						9/25/17 13:24	
Tetrachloro-m-xylene [1]	99.3	30-150						9/25/17 13:24	
Tetrachloro-m-xylene [2]	91.5	30-150						9/25/17 13:24	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-22-2R

Sampled: 9/13/2017 13:03

Sample ID: 1710542-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-22-2R

Sampled: 9/13/2017 13:03

Sample ID: 1710542-06

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	9/21/17	9/23/17 13:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Aroclor-1260 [2]	0.98	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:16	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	42.1	30-150							
Decachlorobiphenyl [2]	49.1	30-150							
Tetrachloro-m-xylene [1]	93.6	30-150							
Tetrachloro-m-xylene [2]	93.4	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-1R

Sampled: 9/13/2017 13:10

Sample ID: 1710542-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1260 [2]	0.46	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	69.1	30-150							
Decachlorobiphenyl [2]	92.9	30-150							
Tetrachloro-m-xylene [1]	83.8	30-150							
Tetrachloro-m-xylene [2]	81.1	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-1R

Sampled: 9/13/2017 13:10

Sample ID: 1710542-07

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	93.2		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-1R

Sampled: 9/13/2017 13:10

Sample ID: 1710542-07

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	9/21/17	9/23/17 13:34	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:34	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	63.8	30-150							
Decachlorobiphenyl [2]	75.5	30-150							
Tetrachloro-m-xylene [1]	94.4	30-150							
Tetrachloro-m-xylene [2]	93.5	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-2R

Sampled: 9/13/2017 13:11

Sample ID: 1710542-08

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	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1260 [2]	0.84	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/24/17 13:48	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.0	30-150							
Decachlorobiphenyl [2]	83.4	30-150							
Tetrachloro-m-xylene [1]	73.5	30-150							
Tetrachloro-m-xylene [2]	71.0	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-2R

Sampled: 9/13/2017 13:11

Sample ID: 1710542-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-2R

Sampled: 9/13/2017 13:11

Sample ID: 1710542-08

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	9/21/17	9/23/17 13:51	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 13:51	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	52.4	30-150							
Decachlorobiphenyl [2]	61.6	30-150							
Tetrachloro-m-xylene [1]	89.2	30-150							
Tetrachloro-m-xylene [2]	88.3	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-3R

Sampled: 9/13/2017 13:12

Sample ID: 1710542-09

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	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1254 [1]	0.80	0.46	mg/Kg dry	20	P-01	SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1260 [2]	1.8	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 13:36	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.4	30-150							
Decachlorobiphenyl [2]	97.1	30-150							
Tetrachloro-m-xylene [1]	99.6	30-150							
Tetrachloro-m-xylene [2]	92.8	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-3R

Sampled: 9/13/2017 13:12

Sample ID: 1710542-09

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	84.6		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-23-3R

Sampled: 9/13/2017 13:12

Sample ID: 1710542-09

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	9/21/17	9/23/17 14:08	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Aroclor-1260 [1]	0.41	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:08	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	47.8	30-150							
Decachlorobiphenyl [2]	56.9	30-150							
Tetrachloro-m-xylene [1]	86.1	30-150							
Tetrachloro-m-xylene [2]	86.5	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-25-4R

Sampled: 9/13/2017 13:32

Sample ID: 1710542-10

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	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1221 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1232 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1242 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1248 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1254 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1260 [2]	49	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1262 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Aroclor-1268 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	9/20/17	9/25/17 13:49	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			9/25/17 13:49	
Decachlorobiphenyl [2]	*	30-150			S-01			9/25/17 13:49	
Tetrachloro-m-xylene [1]	*	30-150			S-01			9/25/17 13:49	
Tetrachloro-m-xylene [2]	*	30-150			S-01			9/25/17 13:49	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-25-4R

Sampled: 9/13/2017 13:32

Sample ID: 1710542-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-13-SO-25-4R

Sampled: 9/13/2017 13:32

Sample ID: 1710542-10

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	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1221 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1232 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1242 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1248 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1254 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1260 [1]	3.6	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1262 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Aroclor-1268 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/21/17	9/24/17 6:53	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	49.1	30-150						9/24/17 6:53	
Decachlorobiphenyl [2]	58.1	30-150						9/24/17 6:53	
Tetrachloro-m-xylene [1]	93.2	30-150						9/24/17 6:53	
Tetrachloro-m-xylene [2]	92.1	30-150						9/24/17 6:53	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-2-3R

Sampled: 9/13/2017 14:20

Sample ID: 1710542-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4300	1100	mg/Kg dry	20		CTDEP ETPH	9/20/17	9/21/17 18:24	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			9/21/17 18:24	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-2-3R

Sampled: 9/13/2017 14:20

Sample ID: 1710542-11

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	90.3		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-2-3R

Sampled: 9/13/2017 14:20

Sample ID: 1710542-11

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.92	0.075	mg/L	1	MS-08	CTDEP ETPH	9/24/17	9/25/17 7:02	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	87.2		50-150				9/25/17 7:02		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-3-3R

Sampled: 9/13/2017 14:00

Sample ID: 1710542-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6700	1100	mg/Kg dry	20		CTDEP ETPH	9/20/17	9/21/17 18:42	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			9/21/17 18:42	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-3-3R

Sampled: 9/13/2017 14:00

Sample ID: 1710542-12

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	88.0		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-3-3R

Sampled: 9/13/2017 14:00

Sample ID: 1710542-12

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.7	0.38	mg/L	5		CTDEP ETPH	9/24/17	9/26/17 0:40	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	99.5		50-150					9/26/17 0:40	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-4-3R

Sampled: 9/13/2017 14:37

Sample ID: 1710542-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1900	230	mg/Kg dry	20		CTDEP ETPH	9/20/17	9/22/17 20:02	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			9/22/17 20:02	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-4-3R

Sampled: 9/13/2017 14:37

Sample ID: 1710542-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-4-3R

Sampled: 9/13/2017 14:37

Sample ID: 1710542-13

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1.2	0.075	mg/L	1		CTDEP ETPH	9/24/17	9/25/17 7:55	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	86.7		50-150					9/25/17 7:55	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-7-2R

Sampled: 9/13/2017 14:25

Sample ID: 1710542-14

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	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1254 [1]	1.1	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1260 [2]	3.1	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:01	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	58.1	30-150							
Decachlorobiphenyl [2]	78.1	30-150							
Tetrachloro-m-xylene [1]	73.5	30-150							
Tetrachloro-m-xylene [2]	67.8	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-7-2R

Sampled: 9/13/2017 14:25

Sample ID: 1710542-14

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	89.8		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-7-2R

Sampled: 9/13/2017 14:25

Sample ID: 1710542-14

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	9/21/17	9/23/17 14:43	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 14:43	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.6	30-150							
Decachlorobiphenyl [2]	80.3	30-150							
Tetrachloro-m-xylene [1]	90.4	30-150							
Tetrachloro-m-xylene [2]	89.9	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-7-3R

Sampled: 9/13/2017 14:26

Sample ID: 1710542-15

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	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1221 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1232 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1242 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1248 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1254 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1260 [1]	330	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1262 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Aroclor-1268 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	9/20/17	9/25/17 16:08	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			9/25/17 16:08	
Decachlorobiphenyl [2]	*	30-150			S-01			9/25/17 16:08	
Tetrachloro-m-xylene [1]	*	30-150			S-01			9/25/17 16:08	
Tetrachloro-m-xylene [2]	*	30-150			S-01			9/25/17 16:08	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-7-3R

Sampled: 9/13/2017 14:26

Sample ID: 1710542-15

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	85.9		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-7-3R

Sampled: 9/13/2017 14:26

Sample ID: 1710542-15

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	9/21/17	9/23/17 15:00	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Aroclor-1260 [2]	1.6	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:00	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.1	30-150							
Decachlorobiphenyl [2]	102	30-150							
Tetrachloro-m-xylene [1]	91.6	30-150							
Tetrachloro-m-xylene [2]	91.4	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-8-1R

Sampled: 9/13/2017 14:46

Sample ID: 1710542-16

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	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1254 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1260 [2]	1.6	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/20/17	9/25/17 14:25	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.6	30-150						9/25/17 14:25	
Decachlorobiphenyl [2]	99.9	30-150						9/25/17 14:25	
Tetrachloro-m-xylene [1]	111	30-150						9/25/17 14:25	
Tetrachloro-m-xylene [2]	103	30-150						9/25/17 14:25	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-8-1R

Sampled: 9/13/2017 14:46

Sample ID: 1710542-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.5		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-8-1R

Sampled: 9/13/2017 14:46

Sample ID: 1710542-16

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	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1260 [1]	0.27	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/17	9/23/17 15:17	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.6	30-150							
Decachlorobiphenyl [2]	110	30-150							
Tetrachloro-m-xylene [1]	95.0	30-150							
Tetrachloro-m-xylene [2]	94.5	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-9-3R

Sampled: 9/13/2017 14:53

Sample ID: 1710542-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	25	0.39	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Acenaphthene	51	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Acenaphthylene	0.69	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Acenaphthylene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Anthracene	15	0.39	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Anthracene	18	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Benzo(a)anthracene	12	0.39	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Benzo(a)anthracene	10	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Benzo(a)pyrene	4.9	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Benzo(a)pyrene	5.1	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Benzo(b)fluoranthene	6.5	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Benzo(b)fluoranthene	6.5	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Benzo(g,h,i)perylene	2.0	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Benzo(g,h,i)perylene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Benzo(k)fluoranthene	2.3	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Benzo(k)fluoranthene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Chrysene	11	0.39	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Chrysene	9.0	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Dibenz(a,h)anthracene	0.52	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Dibenz(a,h)anthracene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Fluoranthene	35	0.39	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Fluoranthene	59	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Fluorene	3.0	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Fluorene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Indeno(1,2,3-cd)pyrene	2.1	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Indeno(1,2,3-cd)pyrene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
2-Methylnaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
2-Methylnaphthalene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Naphthalene	2.3	0.39	mg/Kg dry	1		SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Naphthalene	ND	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Phenanthrene	12	0.39	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Phenanthrene	13	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL
Pyrene	37	0.39	mg/Kg dry	1	E	SW-846 8270D	9/20/17	9/21/17 13:21	BGL
Pyrene	49	3.9	mg/Kg dry	10		SW-846 8270D	9/20/17	9/21/17 15:57	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Nitrobenzene-d5	56.6	30-130	9/21/17 13:21
Nitrobenzene-d5	53.0	30-130	9/21/17 15:57
2-Fluorobiphenyl	54.5	30-130	9/21/17 13:21
2-Fluorobiphenyl	50.5	30-130	9/21/17 15:57
p-Terphenyl-d14	67.4	30-130	9/21/17 13:21
p-Terphenyl-d14	56.8	30-130	9/21/17 15:57

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-9-3R

Sampled: 9/13/2017 14:53

Sample ID: 1710542-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3000	460	mg/Kg dry	20		CTDEP ETPH	9/20/17	9/22/17 20:19	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01		9/22/17 20:19		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-9-3R

Sampled: 9/13/2017 14:53

Sample ID: 1710542-17

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	86.4		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-9-3R

Sampled: 9/13/2017 14:53

Sample ID: 1710542-17

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)	240	0.30	µg/L	1	E	SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Acenaphthene (SIM)	340	6.0	µg/L	20	E	SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Acenaphthene (SIM)	400	60	µg/L	200		SW-846 8270D	9/21/17	9/25/17 21:57	CJM
Acenaphthylene (SIM)	1.8	0.30	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Acenaphthylene (SIM)	ND	6.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Anthracene (SIM)	12	0.20	µg/L	1	E	SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Anthracene (SIM)	14	4.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Benzo(a)anthracene (SIM)	3.5	0.050	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Benzo(a)anthracene (SIM)	4.0	1.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Benzo(a)pyrene (SIM)	1.5	0.10	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Benzo(a)pyrene (SIM)	ND	2.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Benzo(b)fluoranthene (SIM)	2.1	0.050	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Benzo(b)fluoranthene (SIM)	2.5	1.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Benzo(g,h,i)perylene (SIM)	ND	10	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Benzo(k)fluoranthene (SIM)	0.69	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Benzo(k)fluoranthene (SIM)	ND	4.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Chrysene (SIM)	2.3	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Chrysene (SIM)	ND	4.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Dibenz(a,h)anthracene (SIM)	ND	4.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Fluoranthene (SIM)	35	0.50	µg/L	1	E	SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Fluoranthene (SIM)	42	10	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Fluorene (SIM)	12	1.0	µg/L	1	E	SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Fluorene (SIM)	14	10	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Indeno(1,2,3-cd)pyrene (SIM)	0.46	0.20	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	4.0	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
2-Methylnaphthalene (SIM)	2.4	1.0	µg/L	1		SW-846 8270D	9/21/17	9/22/17 17:59	CJM
2-Methylnaphthalene (SIM)	ND	20	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Naphthalene (SIM)	39	1.0	µg/L	1	E	SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Naphthalene (SIM)	48	20	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Phenanthrene (SIM)	30	0.050	µg/L	1	B-07, E, B	SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Phenanthrene (SIM)	37	1.0	µg/L	20	B	SW-846 8270D	9/21/17	9/25/17 21:28	CJM
Pyrene (SIM)	23	1.0	µg/L	1	E	SW-846 8270D	9/21/17	9/22/17 17:59	CJM
Pyrene (SIM)	27	20	µg/L	20		SW-846 8270D	9/21/17	9/25/17 21:28	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Nitrobenzene-d5	68.2	30-130	
Nitrobenzene-d5	82.9	30-130	
Nitrobenzene-d5	*	30-130	S-01
2-Fluorobiphenyl	75.7	30-130	
2-Fluorobiphenyl	93.0	30-130	
2-Fluorobiphenyl	*	30-130	S-01
p-Terphenyl-d14	53.0	30-130	
p-Terphenyl-d14	65.1	30-130	
p-Terphenyl-d14	*	30-130	S-01

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-9-3R

Sampled: 9/13/2017 14:53

Sample ID: 1710542-17

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2.5	0.075	mg/L	1		CTDEP ETPH	9/24/17	9/25/17 8:13	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	84.6		50-150					9/25/17 8:13	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-DUP62

Sampled: 9/13/2017 00:00

Sample ID: 1710542-18

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4400	1100	mg/Kg dry	100		CTDEP ETPH	9/20/17	9/22/17 20:37	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			9/22/17 20:37	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-DUP62

Sampled: 9/13/2017 00:00

Sample ID: 1710542-18

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	88.2		% Wt	1		SM 2540G	9/15/17	9/15/17 20:48	CTL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710542

Date Received: 9/13/2017

Field Sample #: WS-AOC-07-SO-DUP62

Sampled: 9/13/2017 00:00

Sample ID: 1710542-18

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.4	0.38	mg/L	5		CTDEP ETPH	9/24/17	9/26/17 0:58	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	100		50-150					9/26/17 0:58	

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
17I0542-11 [WS-AOC-07-SO-2-3R]	B186685	30.0	5.00	09/20/17
17I0542-12 [WS-AOC-07-SO-3-3R]	B186685	30.2	5.00	09/20/17
17I0542-13 [WS-AOC-07-SO-4-3R]	B186685	30.0	1.00	09/20/17
17I0542-17 [WS-AOC-07-SO-9-3R]	B186685	15.1	1.00	09/20/17
17I0542-18 [WS-AOC-07-SO-DUP62]	B186685	30.2	1.00	09/20/17

Prep Method: SW-846 3510C-CTDEP ETPH

Leachates were extracted on 9/15/2017 per SW-846 1312 in Batch B186358

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0542-11RE1 [WS-AOC-07-SO-2-3R]	B186922	1000	1.00	09/24/17
17I0542-12RE1 [WS-AOC-07-SO-3-3R]	B186922	1000	1.00	09/24/17
17I0542-13RE1 [WS-AOC-07-SO-4-3R]	B186922	1000	1.00	09/24/17
17I0542-17RE1 [WS-AOC-07-SO-9-3R]	B186922	1000	1.00	09/24/17
17I0542-18RE1 [WS-AOC-07-SO-DUP62]	B186922	1000	1.00	09/24/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0542-01 [WS-AOC-13-SO-5-3R]	B186346	09/15/17
17I0542-02 [WS-AOC-13-SO-6-1R]	B186346	09/15/17
17I0542-03 [WS-AOC-13-SO-9-3R]	B186346	09/15/17
17I0542-04 [WS-AOC-13-SO-19-2R]	B186346	09/15/17
17I0542-05 [WS-AOC-13-SO-21-1R]	B186346	09/15/17
17I0542-06 [WS-AOC-13-SO-22-2R]	B186346	09/15/17
17I0542-07 [WS-AOC-13-SO-23-1R]	B186346	09/15/17
17I0542-08 [WS-AOC-13-SO-23-2R]	B186346	09/15/17
17I0542-09 [WS-AOC-13-SO-23-3R]	B186346	09/15/17
17I0542-10 [WS-AOC-13-SO-25-4R]	B186346	09/15/17
17I0542-11 [WS-AOC-07-SO-2-3R]	B186346	09/15/17
17I0542-12 [WS-AOC-07-SO-3-3R]	B186346	09/15/17
17I0542-13 [WS-AOC-07-SO-4-3R]	B186346	09/15/17
17I0542-14 [WS-AOC-07-SO-7-2R]	B186346	09/15/17
17I0542-15 [WS-AOC-07-SO-7-3R]	B186346	09/15/17
17I0542-16 [WS-AOC-07-SO-8-1R]	B186346	09/15/17
17I0542-17 [WS-AOC-07-SO-9-3R]	B186346	09/15/17
17I0542-18 [WS-AOC-07-SO-DUP62]	B186346	09/15/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0542-02 [WS-AOC-13-SO-6-1R]	B186678	10.1	10.0	09/20/17
17I0542-04 [WS-AOC-13-SO-19-2R]	B186678	10.3	10.0	09/20/17
17I0542-06 [WS-AOC-13-SO-22-2R]	B186678	10.1	10.0	09/20/17
17I0542-07 [WS-AOC-13-SO-23-1R]	B186678	10.2	10.0	09/20/17
17I0542-08 [WS-AOC-13-SO-23-2R]	B186678	10.1	10.0	09/20/17
17I0542-09 [WS-AOC-13-SO-23-3R]	B186678	10.2	10.0	09/20/17
17I0542-10 [WS-AOC-13-SO-25-4R]	B186678	10.2	10.0	09/20/17
17I0542-14 [WS-AOC-07-SO-7-2R]	B186678	10.3	10.0	09/20/17
17I0542-15 [WS-AOC-07-SO-7-3R]	B186678	10.3	10.0	09/20/17
17I0542-16 [WS-AOC-07-SO-8-1R]	B186678	10.1	10.0	09/20/17

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 9/15/2017 per SW-846 1312 in Batch B186358

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0542-02 [WS-AOC-13-SO-6-1R]	B186723	500	5.00	09/21/17
17I0542-04 [WS-AOC-13-SO-19-2R]	B186723	500	5.00	09/21/17
17I0542-06 [WS-AOC-13-SO-22-2R]	B186723	500	5.00	09/21/17
17I0542-07 [WS-AOC-13-SO-23-1R]	B186723	500	5.00	09/21/17
17I0542-08 [WS-AOC-13-SO-23-2R]	B186723	500	5.00	09/21/17
17I0542-09 [WS-AOC-13-SO-23-3R]	B186723	500	5.00	09/21/17
17I0542-10 [WS-AOC-13-SO-25-4R]	B186723	500	5.00	09/21/17
17I0542-14 [WS-AOC-07-SO-7-2R]	B186723	500	5.00	09/21/17
17I0542-15 [WS-AOC-07-SO-7-3R]	B186723	500	5.00	09/21/17
17I0542-16 [WS-AOC-07-SO-8-1R]	B186723	500	5.00	09/21/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0542-03 [WS-AOC-13-SO-9-3R]	B186627	30.5	1.00	09/20/17
17I0542-03RE1 [WS-AOC-13-SO-9-3R]	B186627	30.5	1.00	09/20/17
17I0542-05 [WS-AOC-13-SO-21-1R]	B186627	30.2	1.00	09/20/17
17I0542-17 [WS-AOC-07-SO-9-3R]	B186627	15.3	1.00	09/20/17
17I0542-17RE1 [WS-AOC-07-SO-9-3R]	B186627	15.3	1.00	09/20/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0542-01RE1 [WS-AOC-13-SO-5-3R]	B186870	30.1	1.00	09/22/17

Prep Method: SW-846 3510C-SW-846 8270D
Leachates were extracted on 9/15/2017 per SW-846 1312 in Batch B186358

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0542-01 [WS-AOC-13-SO-5-3R]	B186792	1000	1.00	09/21/17
17I0542-03 [WS-AOC-13-SO-9-3R]	B186792	1000	1.00	09/21/17
17I0542-17 [WS-AOC-07-SO-9-3R]	B186792	1000	1.00	09/21/17
17I0542-17RE1 [WS-AOC-07-SO-9-3R]	B186792	1000	1.00	09/21/17
17I0542-17RE2 [WS-AOC-07-SO-9-3R]	B186792	1000	1.00	09/21/17

Prep Method: SW-846 3510C-SW-846 8270D
Leachates were extracted on 9/15/2017 per SW-846 1312 in Batch B186358

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0542-05 [WS-AOC-13-SO-21-1R]	B186838	500	0.500	09/22/17

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QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186627 - SW-846 3546
Blank (B186627-BLK1)

Prepared: 09/20/17 Analyzed: 09/21/17

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.30		mg/Kg wet	3.33		69.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.35		mg/Kg wet	3.33		70.4	30-130			
Surrogate: p-Terphenyl-d14	2.72		mg/Kg wet	3.33		81.5	30-130			

LCS (B186627-BS1)

Prepared: 09/20/17 Analyzed: 09/21/17

Acenaphthene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140			
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Benzo(a)anthracene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140			
Benzo(a)pyrene	1.04	0.17	mg/Kg wet	1.67		62.1	40-140			
Benzo(b)fluoranthene	0.980	0.17	mg/Kg wet	1.67		58.8	40-140			
Benzo(g,h,i)perylene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140			
Benzo(k)fluoranthene	0.979	0.17	mg/Kg wet	1.67		58.7	40-140			
Chrysene	0.996	0.17	mg/Kg wet	1.67		59.7	40-140			
Dibenz(a,h)anthracene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140			
Fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.6	40-140			
Fluorene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140			
Indeno(1,2,3-cd)pyrene	1.11	0.17	mg/Kg wet	1.67		66.3	40-140			
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140			
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
Phenanthrene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140			
Pyrene	0.980	0.17	mg/Kg wet	1.67		58.8	40-140			
Surrogate: Nitrobenzene-d5	2.44		mg/Kg wet	3.33		73.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.33		mg/Kg wet	3.33		69.8	30-130			
Surrogate: p-Terphenyl-d14	2.21		mg/Kg wet	3.33		66.2	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
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Batch B186627 - SW-846 3546

LCS Dup (B186627-BSD1)

Prepared: 09/20/17 Analyzed: 09/21/17

Acenaphthene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	0.350	30	
Acenaphthylene	0.996	0.17	mg/Kg wet	1.67		59.7	40-140	0.900	30	
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.4	40-140	3.64	30	
Benzo(a)anthracene	1.05	0.17	mg/Kg wet	1.67		63.3	40-140	4.92	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140	5.08	30	
Benzo(b)fluoranthene	1.03	0.17	mg/Kg wet	1.67		62.0	40-140	5.23	30	
Benzo(g,h,i)perylene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140	5.90	30	
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	6.43	30	
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140	5.06	30	
Dibenz(a,h)anthracene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	8.39	30	
Fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	4.10	30	
Fluorene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140	0.860	30	
Indeno(1,2,3-cd)pyrene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140	6.87	30	
2-Methylnaphthalene	1.05	0.17	mg/Kg wet	1.67		63.3	40-140	4.36	30	
Naphthalene	0.974	0.17	mg/Kg wet	1.67		58.4	40-140	3.33	30	
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	4.34	30	
Pyrene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140	5.68	30	
Surrogate: Nitrobenzene-d5	2.25		mg/Kg wet	3.33		67.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.31		mg/Kg wet	3.33		69.3	30-130			
Surrogate: p-Terphenyl-d14	2.27		mg/Kg wet	3.33		68.0	30-130			

Batch B186870 - SW-846 3546

Blank (B186870-BLK1)

Prepared: 09/22/17 Analyzed: 09/25/17

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	2.44		mg/Kg wet	3.33		73.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.18		mg/Kg wet	3.33		65.5	30-130			
Surrogate: p-Terphenyl-d14	2.64		mg/Kg wet	3.33		79.1	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
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Batch B186870 - SW-846 3546
LCS (B186870-BS1)

Prepared: 09/22/17 Analyzed: 09/25/17

Acenaphthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140			
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140			
Anthracene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140			
Benzo(b)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Benzo(g,h,i)perylene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140			
Benzo(k)fluoranthene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140			
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.9	40-140			
Dibenz(a,h)anthracene	1.25	0.17	mg/Kg wet	1.67		74.9	40-140			
Fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140			
Fluorene	1.09	0.17	mg/Kg wet	1.67		65.1	40-140			
Indeno(1,2,3-cd)pyrene	1.29	0.17	mg/Kg wet	1.67		77.7	40-140			
2-Methylnaphthalene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140			
Phenanthrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140			
Pyrene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Surrogate: Nitrobenzene-d5	2.69		mg/Kg wet	3.33		80.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.47		mg/Kg wet	3.33		74.0	30-130			
Surrogate: p-Terphenyl-d14	2.51		mg/Kg wet	3.33		75.4	30-130			

LCS Dup (B186870-BS1)

Prepared: 09/22/17 Analyzed: 09/25/17

Acenaphthene	1.09	0.17	mg/Kg wet	1.67		65.1	40-140	0.765	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	0.256	30	
Anthracene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	2.04	30	
Benzo(a)anthracene	1.10	0.17	mg/Kg wet	1.67		65.7	40-140	1.13	30	
Benzo(a)pyrene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	0.237	30	
Benzo(b)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140	3.47	30	
Benzo(g,h,i)perylene	1.22	0.17	mg/Kg wet	1.67		73.3	40-140	4.37	30	
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		62.1	40-140	2.91	30	
Chrysene	1.09	0.17	mg/Kg wet	1.67		65.2	40-140	3.59	30	
Dibenz(a,h)anthracene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140	3.62	30	
Fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.7	40-140	0.216	30	
Fluorene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	1.36	30	
Indeno(1,2,3-cd)pyrene	1.23	0.17	mg/Kg wet	1.67		74.0	40-140	4.83	30	
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	0.411	30	
Naphthalene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	1.64	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	1.00	30	
Pyrene	1.14	0.17	mg/Kg wet	1.67		68.1	40-140	4.26	30	
Surrogate: Nitrobenzene-d5	2.58		mg/Kg wet	3.33		77.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.35		mg/Kg wet	3.33		70.4	30-130			
Surrogate: p-Terphenyl-d14	2.52		mg/Kg wet	3.33		75.5	30-130			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186678 - SW-846 3540C
Blank (B186678-BLK1)

Prepared: 09/20/17 Analyzed: 09/24/17

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	0.185		mg/Kg wet	0.200		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.219		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.5	30-150			

LCS (B186678-BS1)

Prepared: 09/20/17 Analyzed: 09/24/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.1	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.0	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.2	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.3	40-140			
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		91.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.5	30-150			

LCS Dup (B186678-BSD1)

Prepared: 09/20/17 Analyzed: 09/24/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.3	40-140	3.27	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.1	40-140	0.0438	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		82.6	40-140	0.675	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.9	40-140	0.467	30	
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		87.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186678 - SW-846 3540C

Matrix Spike (B186678-MS1)

Source: 1710542-02

Prepared: 09/20/17 Analyzed: 09/25/17

Aroclor-1016	0.18	0.085	mg/Kg dry	0.212	ND	84.2	40-140			
Aroclor-1016 [2C]	0.20	0.085	mg/Kg dry	0.212	ND	94.4	40-140			
Aroclor-1260	0.29	0.085	mg/Kg dry	0.212	0.15	65.4	40-140			
Aroclor-1260 [2C]	0.31	0.085	mg/Kg dry	0.212	0.16	70.4	40-140			
Surrogate: Decachlorobiphenyl	0.158		mg/Kg dry	0.212		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.205		mg/Kg dry	0.212		96.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg dry	0.212		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.212		90.0	30-150			

Matrix Spike Dup (B186678-MSD1)

Source: 1710542-02

Prepared: 09/20/17 Analyzed: 09/25/17

Aroclor-1016	0.16	0.084	mg/Kg dry	0.210	ND	73.9	40-140	14.0	50	
Aroclor-1016 [2C]	0.17	0.084	mg/Kg dry	0.210	ND	80.0	40-140	17.6	50	
Aroclor-1260	0.25	0.084	mg/Kg dry	0.210	0.15	46.0	40-140	15.7	50	
Aroclor-1260 [2C]	0.27	0.084	mg/Kg dry	0.210	0.16	52.9	40-140	13.2	50	
Surrogate: Decachlorobiphenyl	0.125		mg/Kg dry	0.210		59.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg dry	0.210		81.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg dry	0.210		77.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg dry	0.210		77.0	30-150			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186685 - SW-846 3546
Blank (B186685-BLK1)

Prepared: 09/20/17 Analyzed: 09/21/17

CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.73		mg/Kg wet	3.33		81.8	50-150			

LCS (B186685-BS1)

Prepared: 09/20/17 Analyzed: 09/21/17

CT ETPH	23.9	10	mg/Kg wet	33.3		71.7	60-120			
Surrogate: o-Terphenyl	2.60		mg/Kg wet	3.33		77.9	50-150			

LCS Dup (B186685-BSD1)

Prepared: 09/20/17 Analyzed: 09/21/17

CT ETPH	25.1	10	mg/Kg wet	33.3		75.2	60-120	4.79	30	
Surrogate: o-Terphenyl	2.74		mg/Kg wet	3.33		82.3	50-150			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186346 - % Solids

Duplicate (B186346-DUP3)		Source: 1710542-01		Prepared & Analyzed: 09/15/17						
% Solids	86.0		% Wt		84.8			1.41	20	
Duplicate (B186346-DUP4)		Source: 1710542-02		Prepared & Analyzed: 09/15/17						
% Solids	93.7		% Wt		93.2			0.535	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 B186792 - SW-846 3510C										
Blank (B186792-BLK1)										
Prepared: 09/21/17 Analyzed: 09/22/17										
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)	0.060	0.050	µg/L							B
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	72.6		µg/L	100		72.6	30-130			
Surrogate: 2-Fluorobiphenyl	74.8		µg/L	100		74.8	30-130			
Surrogate: p-Terphenyl-d14	64.3		µg/L	100		64.3	30-130			
LCS (B186792-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
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Batch B186792 - SW-846 3510C

LCS Dup (B186792-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			

Batch B186838 - SW-846 3510C

Blank (B186838-BLK1)

Prepared: 09/22/17 Analyzed: 09/25/17

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)	0.061	0.050	µg/L							B
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	0.076	0.050	µg/L							B
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)	1.2	1.0	µg/L							B
Phenanthrene (SIM)	0.051	0.050	µg/L							B
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	91.0		µg/L	100		91.0	30-130			
Surrogate: 2-Fluorobiphenyl	91.1		µg/L	100		91.1	30-130			
Surrogate: p-Terphenyl-d14	80.8		µg/L	100		80.8	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 B186838 - SW-846 3510C										
LCS (B186838-BS1)										
				Prepared: 09/22/17 Analyzed: 09/25/17						
Acenaphthene (SIM)	41.1	7.5	µg/L	50.0		82.2	40-140			
Acenaphthylene (SIM)	40.0	7.5	µg/L	50.0		80.1	40-140			
Anthracene (SIM)	41.9	5.0	µg/L	50.0		83.8	40-140			
Benzo(a)anthracene (SIM)	42.5	1.2	µg/L	50.0		85.0	40-140			B
Benzo(a)pyrene (SIM)	44.2	2.5	µg/L	50.0		88.5	40-140			
Benzo(b)fluoranthene (SIM)	45.3	1.2	µg/L	50.0		90.6	40-140			B
Benzo(g,h,i)perylene (SIM)	43.2	12	µg/L	50.0		86.5	40-140			
Benzo(k)fluoranthene (SIM)	43.6	5.0	µg/L	50.0		87.3	40-140			
Chrysene (SIM)	42.9	5.0	µg/L	50.0		85.8	40-140			
Dibenz(a,h)anthracene (SIM)	40.4	5.0	µg/L	50.0		80.8	40-140			
Fluoranthene (SIM)	42.7	12	µg/L	50.0		85.4	40-140			
Fluorene (SIM)	39.3	25	µg/L	50.0		78.6	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	42.3	5.0	µg/L	50.0		84.6	40-140			
2-Methylnaphthalene (SIM)	38.1	25	µg/L	50.0		76.2	40-140			
Naphthalene (SIM)	38.5	25	µg/L	50.0		77.0	40-140			B
Phenanthrene (SIM)	41.9	1.2	µg/L	50.0		83.8	40-140			B
Pyrene (SIM)	44.4	25	µg/L	50.0		88.9	40-140			
Surrogate: Nitrobenzene-d5	86.6		µg/L	100		86.6	30-130			
Surrogate: 2-Fluorobiphenyl	92.7		µg/L	100		92.7	30-130			
Surrogate: p-Terphenyl-d14	70.4		µg/L	100		70.4	30-130			
LCS Dup (B186838-BSD1)										
				Prepared: 09/22/17 Analyzed: 09/25/17						
Acenaphthene (SIM)	48.2	7.5	µg/L	50.0		96.4	40-140	16.0	20	
Acenaphthylene (SIM)	47.1	7.5	µg/L	50.0		94.2	40-140	16.2	20	
Anthracene (SIM)	48.7	5.0	µg/L	50.0		97.4	40-140	15.1	20	
Benzo(a)anthracene (SIM)	49.8	1.2	µg/L	50.0		99.5	40-140	15.7	20	B
Benzo(a)pyrene (SIM)	51.4	2.5	µg/L	50.0		103	40-140	15.0	20	
Benzo(b)fluoranthene (SIM)	52.9	1.2	µg/L	50.0		106	40-140	15.5	20	B
Benzo(g,h,i)perylene (SIM)	49.9	12	µg/L	50.0		99.8	40-140	14.3	20	
Benzo(k)fluoranthene (SIM)	50.6	5.0	µg/L	50.0		101	40-140	14.7	20	
Chrysene (SIM)	49.9	5.0	µg/L	50.0		99.8	40-140	15.1	20	
Dibenz(a,h)anthracene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140	14.7	20	
Fluoranthene (SIM)	50.8	12	µg/L	50.0		102	40-140	17.4	20	
Fluorene (SIM)	47.7	25	µg/L	50.0		95.4	40-140	19.2	20	
Indeno(1,2,3-cd)pyrene (SIM)	49.2	5.0	µg/L	50.0		98.5	40-140	15.1	20	‡
2-Methylnaphthalene (SIM)	46.0	25	µg/L	50.0		92.0	40-140	18.8	20	
Naphthalene (SIM)	45.2	25	µg/L	50.0		90.4	40-140	16.1	20	B
Phenanthrene (SIM)	48.5	1.2	µg/L	50.0		97.0	40-140	14.7	20	B
Pyrene (SIM)	53.1	25	µg/L	50.0		106	40-140	17.8	20	
Surrogate: Nitrobenzene-d5	105		µg/L	100		105	30-130			
Surrogate: 2-Fluorobiphenyl	107		µg/L	100		107	30-130			
Surrogate: p-Terphenyl-d14	86.9		µg/L	100		86.9	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
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Batch B186723 - SW-846 3510C

Blank (B186723-BLK1)

Prepared: 09/21/17 Analyzed: 09/23/17

Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.61		µg/L	2.00		80.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.89		µg/L	2.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	1.96		µg/L	2.00		97.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.95		µg/L	2.00		97.4	30-150			

LCS (B186723-BS1)

Prepared: 09/21/17 Analyzed: 09/23/17

Aroclor-1016	0.55	0.20	µg/L	0.500		110	40-140			
Aroclor-1016 [2C]	0.57	0.20	µg/L	0.500		115	40-140			
Aroclor-1260	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1260 [2C]	0.54	0.20	µg/L	0.500		108	40-140			
Surrogate: Decachlorobiphenyl	1.58		µg/L	2.00		78.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.85		µg/L	2.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	2.06		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.08		µg/L	2.00		104	30-150			

LCS Dup (B186723-BS1)

Prepared: 09/21/17 Analyzed: 09/23/17

Aroclor-1016	0.55	0.20	µg/L	0.500		110	40-140	0.136	20	
Aroclor-1016 [2C]	0.56	0.20	µg/L	0.500		111	40-140	3.07	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		100	40-140	7.23	20	
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140	5.47	20	
Surrogate: Decachlorobiphenyl	1.30		µg/L	2.00		64.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.52		µg/L	2.00		76.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.89		µg/L	2.00		94.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.89		µg/L	2.00		94.7	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
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Batch B186723 - SW-846 3510C
Matrix Spike (B186723-MS1)
Source: 1710542-02

Prepared: 09/21/17 Analyzed: 09/23/17

Aroclor-1016	0.63	0.20	µg/L	0.500	ND	126	40-140			
Aroclor-1016 [2C]	0.63	0.20	µg/L	0.500	ND	126	40-140			
Aroclor-1260	0.54	0.20	µg/L	0.500	ND	109	40-140			
Aroclor-1260 [2C]	0.54	0.20	µg/L	0.500	ND	109	40-140			
Surrogate: Decachlorobiphenyl	1.63		µg/L	2.00		81.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.93		µg/L	2.00		96.7	30-150			
Surrogate: Tetrachloro-m-xylene	2.11		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.09		µg/L	2.00		104	30-150			

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QUALITY CONTROL
SPLP - Semivolatile Organic Compounds by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186922 - SW-846 3510C										
Blank (B186922-BLK1)				Prepared: 09/24/17 Analyzed: 09/25/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.107		mg/L	0.100		107	50-150			
LCS (B186922-BS1)				Prepared & Analyzed: 09/24/17						
CT ETPH	0.655	0.075	mg/L	1.00		65.5	60-120			
Surrogate: o-Terphenyl	0.0961		mg/L	0.100		96.1	50-150			
LCS Dup (B186922-BSD1)				Prepared & Analyzed: 09/24/17						
CT ETPH	0.574	0.075	mg/L	1.00		57.4 *	60-120	13.1	30	L-07
Surrogate: o-Terphenyl	0.0958		mg/L	0.100		95.8	50-150			
Matrix Spike (B186922-MS1)				Source: 1710542-11RE1		Prepared: 09/24/17 Analyzed: 09/25/17				
CT ETPH	1.15	0.066	mg/L	1.47	0.915	15.7 *	50-150			MS-08
Surrogate: o-Terphenyl	0.105		mg/L	0.147		71.5	50-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-13-SO-6-1R***SW-846 8082A*

Lab Sample ID: 17I0542-02 Date(s) Analyzed: 09/24/2017 09/24/2017
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	0.15	
	2	0.000	-0.030	0.030	0.16	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-13-SO-19-2R

Lab Sample ID: 17I0542-04 Date(s) Analyzed: 09/24/2017 09/24/2017

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	0.57	
	1	0.000	0.000	0.000	0.34	
	2	0.000	-0.030	0.030	0.61	6.8
	2	0.000	0.000	0.000	0.34	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-13-SO-22-2R

Lab Sample ID: 1710542-06 Date(s) Analyzed: 09/25/2017 09/25/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.79	
	2	0.000	-0.030	0.030	0.77	2.6
Aroclor-1260	1	0.000	-0.030	0.030	2.0	
	1	0.000	0.000	0.000	0.98	
	2	0.000	-0.030	0.030	2.0	0.0
	2	0.000	0.000	0.000	0.98	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-13-SO-23-1R**

Lab Sample ID: 17I0542-07 Date(s) Analyzed: 09/24/2017 09/24/2017
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	0.44	
	2	0.000	-0.030	0.030	0.46	4.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-13-SO-23-2R**

Lab Sample ID: 17I0542-08 Date(s) Analyzed: 09/24/2017 09/24/2017
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	0.76	
	2	0.000	-0.030	0.030	0.84	10.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-13-SO-23-3R

Lab Sample ID: 1710542-09 Date(s) Analyzed: 09/25/2017 09/25/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.80	
	2	0.000	-0.030	0.030	0.52	42.4
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	1	0.000	-0.030	0.030	1.8	
	2	0.000	0.000	0.000	0.41	0.0
	2	0.000	-0.030	0.030	1.8	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-13-SO-25-4R

Lab Sample ID: 17I0542-10 Date(s) Analyzed: 09/24/2017 09/24/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	1	0.000	-0.030	0.030	48	
	2	0.000	-0.030	0.030	49	2.1
	2	0.000	0.000	0.000	3.5	2.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-7-2R

Lab Sample ID: 17I0542-14 Date(s) Analyzed: 09/25/2017 09/25/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	0.87	23.4
Aroclor-1260	1	0.000	-0.030	0.030	3.0	
	2	0.000	-0.030	0.030	3.1	3.3

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-8-1R

Lab Sample ID: 1710542-16 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

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%.
RL-12	In accordance with the method, the higher result was reported.
	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.

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

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
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



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Malcolm Beeler

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Chris Berthiaume/Will Sirotinak

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Chris Berthiaume/Will Sirotinak

CHAIN OF CUSTODY RECORD

Requested Turnaround Time	
7-Day ☒	10-Day ☐
Other: ☐	5-day ☐
Rush Approval Required ☐	
1-Day ☐	3-Day ☐
2-Day ☐	4-Day ☐
Data Delivery	
Format: PDF ☒	EXCEL ☒
Other: ☐	
Enhanced Data Package Required: ☐	
Email To: <u>beelerm@wseinc.com</u>	
Fax To #: _____	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AAC-07-50-2-3R	9/13/17	1420		X	S	U
12	WS-AAC-07-50-3-3R		1420				
13	WS-AAC-07-50-4-3R		1437				
14	WS-AAC-07-50-7-2R		1425				
15	WS-AAC-07-50-7-3R		1426				
16	WS-AAC-07-50-8-1R		1446				
17	WS-AAC-07-50-9-3R		1453				
18	WS-AAC-07-50-DUP02						

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:	Detection Limit Requirements
<i>[Signature]</i>	9/13/17 1515	MA
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	9/13/17 1515	
Relinquished by: (signature)	Date/Time:	
<i>[Signature]</i>	9/13/17 1617	RES DEC
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	9/13/17 1617	
Relinquished by: (signature)	Date/Time:	
<i>[Signature]</i>	9/13/17 1830	
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	9/13/17 1830	

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

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By BLF

Date 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
By Blank # Actual Temp -

Was Custody Seal Intact? LA Were Samples Tampered with? LA

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? LA MS/MSD? LA

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? NA

Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	

Comments:

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

1710542-11@20X
 1710542-12@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

1710861-05
 1710912-01
 1710861-06@10X
 1710542-12RE1@5X
 1710542-18RE@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
 1710750-03

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:
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.

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,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 10/2/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710641

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	1710641-01	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-14-2R	1710641-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-14-3R	1710641-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-15-1R	1710641-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-2-1R	1710641-05	Soil		SM 2540G SW-846 8270D	
WS-AOC-8-SO-4-1R	1710641-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-4-2R	1710641-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-4-3R	1710641-08	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-4-1R	1710641-09	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-7-2R	1710641-10	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-9-1R	1710641-11	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-10-1R	1710641-12	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-16-2R	1710641-13	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-21-1R	1710641-14	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-23-4R	1710641-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-27-1R	1710641-16	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-31-1R	1710641-17	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-32-3R	1710641-18	Soil		SM 2540G SW-846 8270D	
WS-AOC-9-SO-35-3R	1710641-19	Soil		SM 2540G SW-846 8270D	
WS-AOC-9-SO-37-3R	1710641-20	Soil		SM 2540G SW-846 8270D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8082A

Qualifications:**H-06**

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

1710641-08RE1[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**

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[WS-AOC-9-SO-31-1R]

Decachlorobiphenyl [2C]

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[WS-AOC-9-SO-31-1R]

Tetrachloro-m-xylene

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[WS-AOC-9-SO-31-1R]

Tetrachloro-m-xylene [2C]

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[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**

1710641-08[WS-AOC-8-SO-4-3R]

Decachlorobiphenyl [2C]

1710641-08[WS-AOC-8-SO-4-3R]

Tetrachloro-m-xylene

1710641-08[WS-AOC-8-SO-4-3R]

Tetrachloro-m-xylene [2C]

1710641-08[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)**

1710641-05[WS-AOC-8-SO-2-1R], 1710641-05RE1[WS-AOC-8-SO-2-1R], 1710641-18[WS-AOC-9-SO-32-3R], 1710641-18RE1[WS-AOC-9-SO-32-3R], 1710641-19[WS-AOC-9-SO-35-3R], 1710641-20[WS-AOC-9-SO-37-3R], B186799-BLK1, B186799-BS1, B186799-BSD1, B186799-MS1

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]

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**

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Anthracene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(a)anthracene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(a)pyrene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(b)fluoranthene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(k)fluoranthene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Chrysene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Fluoranthene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Fluorene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Naphthalene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Phenanthrene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Pyrene

1710641-20[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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R

Sampled: 9/14/2017 08:25

Sample ID: 1710641-01

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R

Sampled: 9/14/2017 08:25

Sample ID: 1710641-01

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R

Sampled: 9/14/2017 08:25

Sample ID: 1710641-01

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R

Sampled: 9/14/2017 08:30

Sample ID: 1710641-02

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							
Decachlorobiphenyl [2]	90.2	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	110	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R

Sampled: 9/14/2017 08:30

Sample ID: 1710641-02

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R

Sampled: 9/14/2017 08:30

Sample ID: 1710641-02

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R

Sampled: 9/14/2017 08:32

Sample ID: 1710641-03

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R

Sampled: 9/14/2017 08:32

Sample ID: 1710641-03

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R

Sampled: 9/14/2017 08:32

Sample ID: 1710641-03

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							
Decachlorobiphenyl [2]	55.4	30-150							
Tetrachloro-m-xylene [1]	80.6	30-150							
Tetrachloro-m-xylene [2]	79.1	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R

Sampled: 9/14/2017 08:20

Sample ID: 1710641-04

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R

Sampled: 9/14/2017 08:20

Sample ID: 1710641-04

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R

Sampled: 9/14/2017 08:20

Sample ID: 1710641-04

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							
Decachlorobiphenyl [2]	47.7	30-150							
Tetrachloro-m-xylene [1]	85.0	30-150							
Tetrachloro-m-xylene [2]	81.6	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R

Sampled: 9/14/2017 09:12

Sample ID: 1710641-05

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							
Nitrobenzene-d5	66.6	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R

Sampled: 9/14/2017 09:12

Sample ID: 1710641-05

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R

Sampled: 9/14/2017 09:12

Sample ID: 1710641-05

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R

Sampled: 9/14/2017 09:12

Sample ID: 1710641-05

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							
Nitrobenzene-d5	92.0	30-130							
2-Fluorobiphenyl	82.7	30-130							
2-Fluorobiphenyl	93.7	30-130							
p-Terphenyl-d14	67.6	30-130							
p-Terphenyl-d14	73.4	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R

Sampled: 9/14/2017 09:13

Sample ID: 1710641-06

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R

Sampled: 9/14/2017 09:13

Sample ID: 1710641-06

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R

Sampled: 9/14/2017 09:13

Sample ID: 1710641-06

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							
Decachlorobiphenyl [2]	65.2	30-150							
Tetrachloro-m-xylene [1]	83.1	30-150							
Tetrachloro-m-xylene [2]	80.3	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R

Sampled: 9/14/2017 09:14

Sample ID: 1710641-07

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: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R

Sampled: 9/14/2017 09:14

Sample ID: 1710641-07

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R

Sampled: 9/14/2017 09:14

Sample ID: 1710641-07

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							
Decachlorobiphenyl [2]	53.9	30-150							
Tetrachloro-m-xylene [1]	80.0	30-150							
Tetrachloro-m-xylene [2]	77.3	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R

Sampled: 9/14/2017 09:15

Sample ID: 1710641-08

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R

Sampled: 9/14/2017 09:15

Sample ID: 1710641-08

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R

Sampled: 9/14/2017 09:15

Sample ID: 1710641-08

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							
Decachlorobiphenyl [2]	54.3	30-150							
Tetrachloro-m-xylene [1]	82.0	30-150							
Tetrachloro-m-xylene [2]	78.2	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R

Sampled: 9/14/2017 10:10

Sample ID: 1710641-09

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R

Sampled: 9/14/2017 10:10

Sample ID: 1710641-09

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R

Sampled: 9/14/2017 10:10

Sample ID: 1710641-09

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							
Decachlorobiphenyl [2]	84.3	30-150							
Tetrachloro-m-xylene [1]	85.4	30-150							
Tetrachloro-m-xylene [2]	79.6	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R

Sampled: 9/14/2017 10:12

Sample ID: 1710641-10

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							
Decachlorobiphenyl [2]	95.6	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	106	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R

Sampled: 9/14/2017 10:12

Sample ID: 1710641-10

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R

Sampled: 9/14/2017 10:12

Sample ID: 1710641-10

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R

Sampled: 9/14/2017 10:24

Sample ID: 1710641-11

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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R

Sampled: 9/14/2017 10:24

Sample ID: 1710641-11

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R

Sampled: 9/14/2017 10:24

Sample ID: 1710641-11

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R

Sampled: 9/14/2017 10:17

Sample ID: 1710641-12

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							
Decachlorobiphenyl [2]	79.7	30-150							
Tetrachloro-m-xylene [1]	72.3	30-150							
Tetrachloro-m-xylene [2]	73.0	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R

Sampled: 9/14/2017 10:17

Sample ID: 1710641-12

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R

Sampled: 9/14/2017 10:17

Sample ID: 1710641-12

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							
Decachlorobiphenyl [2]	60.0	30-150							
Tetrachloro-m-xylene [1]	86.6	30-150							
Tetrachloro-m-xylene [2]	81.7	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R

Sampled: 9/14/2017 10:27

Sample ID: 1710641-13

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R

Sampled: 9/14/2017 10:27

Sample ID: 1710641-13

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R

Sampled: 9/14/2017 10:27

Sample ID: 1710641-13

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							
Decachlorobiphenyl [2]	66.2	30-150							
Tetrachloro-m-xylene [1]	89.9	30-150							
Tetrachloro-m-xylene [2]	84.0	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R

Sampled: 9/14/2017 10:32

Sample ID: 1710641-14

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	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R

Sampled: 9/14/2017 10:32

Sample ID: 1710641-14

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R

Sampled: 9/14/2017 10:32

Sample ID: 1710641-14

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							
Decachlorobiphenyl [2]	61.7	30-150							
Tetrachloro-m-xylene [1]	94.9	30-150							
Tetrachloro-m-xylene [2]	88.8	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R

Sampled: 9/14/2017 09:52

Sample ID: 1710641-15

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	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R

Sampled: 9/14/2017 09:52

Sample ID: 1710641-15

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R

Sampled: 9/14/2017 09:52

Sample ID: 1710641-15

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R

Sampled: 9/14/2017 10:02

Sample ID: 1710641-16

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	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R

Sampled: 9/14/2017 10:02

Sample ID: 1710641-16

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R

Sampled: 9/14/2017 10:02

Sample ID: 1710641-16

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R

Sampled: 9/14/2017 10:54

Sample ID: 1710641-17

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	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R

Sampled: 9/14/2017 10:54

Sample ID: 1710641-17

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: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R

Sampled: 9/14/2017 10:54

Sample ID: 1710641-17

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							
Decachlorobiphenyl [2]	50.1	30-150							
Tetrachloro-m-xylene [1]	86.7	30-150							
Tetrachloro-m-xylene [2]	80.1	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R

Sampled: 9/14/2017 11:06

Sample ID: 1710641-18

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

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R

Sampled: 9/14/2017 11:06

Sample ID: 1710641-18

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R

Sampled: 9/14/2017 11:06

Sample ID: 1710641-18

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							
Nitrobenzene-d5	76.0	30-130							
2-Fluorobiphenyl	69.8	30-130							
2-Fluorobiphenyl	78.8	30-130							
p-Terphenyl-d14	49.9	30-130							
p-Terphenyl-d14	50.3	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R

Sampled: 9/14/2017 11:24

Sample ID: 1710641-19

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							
Nitrobenzene-d5	58.8	30-130							
2-Fluorobiphenyl	67.6	30-130							
2-Fluorobiphenyl	70.1	30-130							
p-Terphenyl-d14	82.5	30-130							
p-Terphenyl-d14	76.4	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R

Sampled: 9/14/2017 11:24

Sample ID: 1710641-19

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R

Sampled: 9/14/2017 11:24

Sample ID: 1710641-19

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R

Sampled: 9/14/2017 11:31

Sample ID: 1710641-20

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

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R

Sampled: 9/14/2017 11:31

Sample ID: 1710641-20

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R

Sampled: 9/14/2017 11:31

Sample ID: 1710641-20

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							
2-Fluorobiphenyl	82.3	30-130							
p-Terphenyl-d14	71.1	30-130							

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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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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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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
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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: 1710641-20

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: 1710641-20		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
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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: 1710641-01

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
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Batch B186779 - SW-846 3540C

Matrix Spike Dup (B186779-MSD1)		Source: 1710641-01		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
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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
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Batch B186579 - % Solids
Duplicate (B186579-DUP1)
Source: 1710641-20

Prepared & Analyzed: 09/19/17

% Solids	83.6		% Wt		81.0			3.16	20	
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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: 1710641-05		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
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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
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Batch B186874 - SW-846 3510C
Matrix Spike (B186874-MS1)
Source: 1710641-01

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			

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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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: 1710641-07 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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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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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
WS-AOC-8-SO-4-3R

Lab Sample ID: 1710641-08RE1 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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-9-SO-4-1R**Lab Sample ID: 1710641-09 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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
WS-AOC-9-SO-7-2R

Lab Sample ID: 1710641-10 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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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

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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

**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: 1710641-16 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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-31-1R

Lab Sample ID: 1710641-17 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

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
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



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Weston & Sampson Engineers

273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

English Station

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 J. Beeler/Will Sirotinak

Fax To #:

Email To: beelerm@wseinc.com

Enhanced Data Package Required: ☐Format: PDF ☒ EXCEL ☒

Data Delivery

Rush-Approval Required: ☐7-Day ☒ 10-Day ☐Other: 5-day ☐1-Day ☐ 3-Day ☐2-Day ☐ 4-Day ☐

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39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 4

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

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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: 9/14/17 15:55

Received by: (signature)

Date/Time: 9/14/17 15:40

Relinquished by: (signature)

Date/Time: 9/14/17 15:40

Received by: (signature)

Date/Time: 9/14/17 15:40

Relinquished by: (signature)

Date/Time: 9/14/17 15:40

Received by: (signature)

Date/Time: 9/14/17 15:40

Relinquished by: (signature)

Date/Time: 9/14/17 15:40

Received by: (signature)

Date/Time: 9/14/17 15:40

Relinquished by: (signature)

Date/Time: 9/14/17 15:40

Detection Limit Requirements

MA

CT

Other:

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

RES DEC

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



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com
Weston & Sampson Engineers
273 Dividend Rd Rocky Hill, CT

Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler

Con-Test Bid: Malcolm Beeler (Weston & Sampson)
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: T (in S. ~~Chris Beeler~~ / Will Sirotnak)

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Other: ☐ 5-day ☐
Rush-Approval Required ☐
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Data Delivery
Format: PDF ☒ EXCEL ☒
Other: ☐
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-PDC-9-30-9-1R	9/14/17	1024		X	S	U
12	WS-PDC-9-30-10-1R		1017				
13	WS-PDC-9-30-10-2R		1027				
14	WS-PDC-9-30-21-1R		1032				
15	WS-PDC-9-30-23-4R		0952				
16	WS-PDC-9-30-27-1R		1002				
17	WS-PDC-9-30-31-1R		1054				
18	WS-PDC-9-30-32-3R		1106				
19	WS-PDC-9-30-35-3R		1124				
20	WS-PDC-9-30-37-3R		1131				

Comments:

Please hold excess volume for possible SLP analyses. Please do MS/MSD for WS-PDC-9-30-37-3R for only RES, PAT

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements

Relinquished by: (signature)	Date/Time	MA
Received by: (signature)	9/14/17 1515	
Relinquished by: (signature)	9/14/17 1540	CT
Received by: (signature)	9/14/17 1540	
Relinquished by: (signature)	9/14/17 1540	Other:
Received by: (signature)	9/14/17 1540	

Program Information

☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
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F: 413-525-6405
www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson
Received By JM Date 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? F 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? N/A MS/MSD? T
Is there Headspace where applicable? N/A Is splitting samples required? N/A
Proper Media/Containers Used? T On COC? N/A
Were trip blanks received? N/A Acid Base
Do all samples have the proper pH? N/A

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 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:
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.

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,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/25/2017

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	

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 11)**

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]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

Petrolium 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							
Decachlorobiphenyl [2]	71.6	30-150							
Tetrachloro-m-xylene [1]	69.0	30-150							
Tetrachloro-m-xylene [2]	78.8	30-150							

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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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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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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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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							
Decachlorobiphenyl [2]	54.1	30-150							
Tetrachloro-m-xylene [1]	55.3	30-150							
Tetrachloro-m-xylene [2]	64.0	30-150							

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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							
Decachlorobiphenyl [2]	61.9	30-150							
Tetrachloro-m-xylene [1]	55.8	30-150							
Tetrachloro-m-xylene [2]	63.8	30-150							

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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

Conventional 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							
Nitrobenzene-d5	45.8	30-130							
2-Fluorobiphenyl	52.3	30-130							
2-Fluorobiphenyl	43.9	30-130							
p-Terphenyl-d14	60.4	30-130							
p-Terphenyl-d14	54.7	30-130							

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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

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

39 Spruce Street * 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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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

39 Spruce Street * 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							
Decachlorobiphenyl [2]	71.4	30-150							
Tetrachloro-m-xylene [1]	65.5	30-150							
Tetrachloro-m-xylene [2]	74.4	30-150							

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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-2-3

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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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							
Decachlorobiphenyl [2]	84.2	30-150							
Tetrachloro-m-xylene [1]	85.9	30-150							
Tetrachloro-m-xylene [2]	97.7	30-150							

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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-3-1A

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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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							
2-Fluorobiphenyl	78.6	30-130							
p-Terphenyl-d14	98.3	30-130							

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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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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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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							
Decachlorobiphenyl [2]	86.7	30-150							
Tetrachloro-m-xylene [1]	90.4	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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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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							
Decachlorobiphenyl [2]	84.0	30-150							
Tetrachloro-m-xylene [1]	73.7	30-150							
Tetrachloro-m-xylene [2]	84.4	30-150							

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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-3-3

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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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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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

39 Spruce Street * 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							
Decachlorobiphenyl [2]	97.0	30-150							
Tetrachloro-m-xylene [1]	80.0	30-150							
Tetrachloro-m-xylene [2]	99.0	30-150							

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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							
Decachlorobiphenyl [2]	90.2	30-150							
Tetrachloro-m-xylene [1]	89.2	30-150							
Tetrachloro-m-xylene [2]	100	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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							
2-Fluorobiphenyl	82.9	30-130							
p-Terphenyl-d14	106	30-130							

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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							
Decachlorobiphenyl [2]	72.9	30-150							
Tetrachloro-m-xylene [1]	71.9	30-150							
Tetrachloro-m-xylene [2]	81.3	30-150							

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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							
Decachlorobiphenyl [2]	92.5	30-150							
Tetrachloro-m-xylene [1]	89.2	30-150							
Tetrachloro-m-xylene [2]	99.7	30-150							

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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	

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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

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							
2-Fluorobiphenyl	77.1	30-130							
p-Terphenyl-d14	78.7	30-130							

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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

Polychlorinated 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							
Decachlorobiphenyl [2]	86.2	30-150							
Tetrachloro-m-xylene [1]	86.3	30-150							
Tetrachloro-m-xylene [2]	96.2	30-150							

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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							
Decachlorobiphenyl [2]	95.2	30-150							
Tetrachloro-m-xylene [1]	89.2	30-150							
Tetrachloro-m-xylene [2]	99.0	30-150							

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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

Conventional 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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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							
Toluene-d8	107	70-130							
4-Bromofluorobenzene	105	70-130							

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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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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
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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
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

L-03

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 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
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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
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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
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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
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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
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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
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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****WS-AOC8-SO-1-1***SW-846 8082A*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

**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

**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

**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

**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

**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

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



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Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotinak

Doc # 381 Rev 0 5 & 2015

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 5 of 10

Requested Turnaround Time	
7-Day ☒	10-Day ☐
Other: ☐	
Rush-Approval Required	
1-Day ☐	3-Day ☐
2-Day ☐	4-Day ☐
Data Delivery	
Format: PDF ☒	EXCEL ☒
Other: ☐	
Enhanced Data Package Required: ☐	
Email To: beelerm@wseinc.com	
Fax To #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC 8-SO-28-4B	7/31/17	11:37		X	S	U
2	WS-AOC 8-SO-1-1		14:20				
3	WS-AOC 8-SO-1-2		14:21				
4	WS-AOC 8-SO-1-3		14:22				
5	WS-AOC 8-SO-2-1A		14:16				
6	WS-AOC 8-SO-2-1B		14:17				
7	WS-AOC 8-SO-2-2		14:20				
8	WS-AOC 8-SO-2-3		14:22				
9	WS-AOC 8-SO-3-1A		14:50				
10	WS-AOC 8-SO-3-1B		14:52				

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Detection Limit Requirements
	7/31/17 15:40	MA
Received by: (signature)	Date/Time:	
	7/31/17 15:40	
Relinquished by: (signature)	Date/Time:	
	7/31/17 5:20	CT
Received by: (signature)	Date/Time:	
	7/31/17 17:20	Other
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required

PWSID #

7/31/17 1720
NELAC and AHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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Weston & Sampson Engineers

273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

English Station

510 Grand Ave, New Haven, CT

Project Number: 2170495

Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotinak

Requested Turnaround Time	
7-Day ☒	10-Day ☐
Other: ☐	
Rush-Approval Required	
1-Day ☐	3-Day ☐
2-Day ☐	4-Day ☐
Data Delivery	
Format: PDF ☒	EXCEL ☒
Other: ☐	
Enhanced Data Package Required: ☐	
Email To: beelerm@wseinc.com	
Fax To #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC8-SO-3-2	7/31/17	14:54		X	S	U
12	WS-AOC8-SO-3-3		14:56				
13	WS-AOC8-SO-4-1		15:05				
14	WS-AOC8-SO-4-2		15:06				
15	WS-AOC8-SO-4-3		15:07				
16	WS-AOC8-SO-4-4		15:08				
17	WS-AOC8-SO-5-1		15:10				
18	WS-AOC8-SO-5-2		15:12				
19	WS-AOC8-SO-5-3		15:14				
20	TRIP BLANK						

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time: 7/31/17 15:40	Detection Limit Requirements
Received by: (signature)	Date/Time: 7/31/17 15:40	
Relinquished by: (signature)	Date/Time: 7/31/17 15:20	
Received by: (signature)	Date/Time: 7/31/17 17:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
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F: 413-525-6405
www.contestlabs.com



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False

Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson
Received By SM 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
Actual Temp - 2.7, 4.0

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp -
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified?
Are there Rushes? N/A Who was notified?
Are there Short Holds? N/A Who was notified?

Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	<u>1</u>	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	<u>2</u>	Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen: <u>7/31/17</u> <u>1720</u>
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: <u> </u>
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

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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

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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

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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

8/9/17 8:01 AM

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/25/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

August 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,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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Chain of Custody/Sample Receipt

31

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	

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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:

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 & Sample(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.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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	

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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

39 Spruce Street * 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							
Decachlorobiphenyl [2]	78.8	30-150							
Tetrachloro-m-xylene [1]	76.4	30-150							
Tetrachloro-m-xylene [2]	85.8	30-150							

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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

39 Spruce Street * 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							
Decachlorobiphenyl [2]	86.2	30-150							
Tetrachloro-m-xylene [1]	80.3	30-150							
Tetrachloro-m-xylene [2]	89.7	30-150							

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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

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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							
Decachlorobiphenyl [2]	86.5	30-150							
Tetrachloro-m-xylene [1]	78.4	30-150							
Tetrachloro-m-xylene [2]	88.0	30-150							

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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

39 Spruce Street * 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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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	

39 Spruce Street * 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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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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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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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							
Decachlorobiphenyl [2]	96.6	30-150							
Tetrachloro-m-xylene [1]	95.4	30-150							
Tetrachloro-m-xylene [2]	98.3	30-150							

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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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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							
Decachlorobiphenyl [2]	91.6	30-150							
Tetrachloro-m-xylene [1]	87.6	30-150							
Tetrachloro-m-xylene [2]	92.9	30-150							

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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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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
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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-BS1)

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			

**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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

Requested Turnaround Time	
7-Day ☒	10-Day ☐
Other: ☐ 5-day	
Push Approval Required	
1-Day ☐	3-Day ☐
2-Day ☐	4-Day ☐
Data Delivery	
Format: PDF ☒	EXCEL ☒
Other: ☐	
Enhanced Data Package Required: ☐	
Email To: beelerm@wseinc.com	
Fax To #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC9-SO-DUP-35	7/31/17			X	S	✓
2	WS-AOC9-SO-DUP-36						
3	WS-AOC9-SO-DUP-37						
4	WS-AOC8-SO-DUP-38						

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	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analytical Certification Form Required ☐ MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited
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 17:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False

Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson
Received By SM 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? T 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
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: 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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/25/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

August 28, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0854

Enclosed are results of analyses for samples received by the laboratory on August 15, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long horizontal flourish extending to the right.

James M. Georgantas
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0854

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-14-SE-29	17H0854-01	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-30	17H0854-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-31	17H0854-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-32	17H0854-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-33	17H0854-05	Soil		SM 2540G SW-846 8082A	
EB-40	17H0854-06	Equipment Blank Water		SW-846 8082A	
EB-41	17H0854-07	Equipment Blank Water		SW-846 8082A	
WS-AOC-8-AS-1	17H0854-08	Product/Solid		SW-846 8082A	
WS-AOC-8-AS-2	17H0854-09	Product/Solid		SW-846 8082A	
WS-AOC-8-AS-5	17H0854-10	Product/Solid		SW-846 8082A	
WS-AOC-8-CO-20	17H0854-11	Concrete		SW-846 8082A	
WS-AOC-8-CO-21	17H0854-12	Concrete		SW-846 8082A	
WS-AOC-8-CO-19	17H0854-13	Concrete		SW-846 8082A	
WS-AOC-8-CO-18	17H0854-14	Concrete		SW-846 8082A	
WS-AOC-8-CO-17	17H0854-15	Concrete		SW-846 8082A	
WS-AOC-8-CO-16	17H0854-16	Concrete		SW-846 8082A	
WS-AOC-8-CO-DUP-9	17H0854-17	Concrete		SW-846 8082A	
WS-AOC-7-CO-31	17H0854-18	Concrete		SW-846 8082A	
WS-AOC-7-CO-39	17H0854-19	Concrete		SW-846 8082A	
WS-AOC-7-CO-38	17H0854-20	Concrete		SW-846 8082A	
WS-AOC-7-CO-34	17H0854-21	Concrete		SW-846 8082A	
WS-AOC-7-CO-35	17H0854-22	Concrete		SW-846 8082A	
WS-AOC-7-CO-37	17H0854-23	Concrete		SW-846 8082A	
WS-AOC-7-CO-DUP-8	17H0854-24	Concrete		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A**Qualifications:****DL-03**

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17H0854-09RE1[WS-AOC-8-AS-2]

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

17H0854-03[WS-AOC-14-SE-31]

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Aroclor-1016**

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1016 [2C]

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1260

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1260 [2C]

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

B184578-MS1, B184578-MS2, B184578-MSD1, B184578-MSD2

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-29

Sampled: 8/14/2017 12:30

Sample ID: 17H0854-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.33	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1248 [2]	1.9	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1254 [2]	2.1	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1260 [2]	0.87	0.33	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.1	30-150						8/21/17 18:20	
Decachlorobiphenyl [2]	85.0	30-150						8/21/17 18:20	
Tetrachloro-m-xylene [1]	88.7	30-150						8/21/17 18:20	
Tetrachloro-m-xylene [2]	97.7	30-150						8/21/17 18:20	

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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							
Decachlorobiphenyl [2]	87.8	30-150							
Tetrachloro-m-xylene [1]	84.0	30-150							
Tetrachloro-m-xylene [2]	95.1	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-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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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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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							
Decachlorobiphenyl [2]	82.5	30-150							
Tetrachloro-m-xylene [1]	78.3	30-150							
Tetrachloro-m-xylene [2]	88.8	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-32

Sampled: 8/14/2017 13:45

Sample ID: 17H0854-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	26.2		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-33

Sampled: 8/14/2017 14:15

Sample ID: 17H0854-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1221 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1232 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1242 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1248 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1254 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1260 [2]	0.58	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1262 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1268 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.6	30-150							
Decachlorobiphenyl [2]	91.4	30-150							
Tetrachloro-m-xylene [1]	87.0	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-33

Sampled: 8/14/2017 14:15

Sample ID: 17H0854-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	26.5		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: EB-40

Sampled: 8/14/2017 14:00

Sample ID: 17H0854-06

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.7	30-150						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	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: EB-41

Sampled: 8/15/2017 07:00

Sample ID: 17H0854-07

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	58.3	30-150							
Decachlorobiphenyl [2]	59.0	30-150							
Tetrachloro-m-xylene [1]	83.2	30-150							
Tetrachloro-m-xylene [2]	82.9	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-1

Sampled: 8/15/2017 11:05

Sample ID: 17H0854-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.8	30-150						8/25/17 16:59	
Decachlorobiphenyl [2]	78.4	30-150						8/25/17 16:59	
Tetrachloro-m-xylene [1]	68.9	30-150						8/25/17 16:59	
Tetrachloro-m-xylene [2]	64.1	30-150						8/25/17 16:59	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-2

Sampled: 8/15/2017 11:00

Sample ID: 17H0854-09

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.0	30-150						8/27/17 19:26	
Decachlorobiphenyl [2]	73.1	30-150						8/27/17 19:26	
Tetrachloro-m-xylene [1]	96.1	30-150						8/27/17 19:26	
Tetrachloro-m-xylene [2]	94.8	30-150						8/27/17 19:26	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-5

Sampled: 8/15/2017 11:10

Sample ID: 17H0854-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.5	30-150						8/25/17 17:34	
Decachlorobiphenyl [2]	69.9	30-150						8/25/17 17:34	
Tetrachloro-m-xylene [1]	62.6	30-150						8/25/17 17:34	
Tetrachloro-m-xylene [2]	57.2	30-150						8/25/17 17:34	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-20

Sampled: 8/15/2017 11:30

Sample ID: 17H0854-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	51.0	30-150						8/25/17 17:52	
Decachlorobiphenyl [2]	58.8	30-150						8/25/17 17:52	
Tetrachloro-m-xylene [1]	59.9	30-150						8/25/17 17:52	
Tetrachloro-m-xylene [2]	51.3	30-150						8/25/17 17:52	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-21

Sampled: 8/15/2017 11:35

Sample ID: 17H0854-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.9	30-150						8/25/17 18:09	
Decachlorobiphenyl [2]	76.7	30-150						8/25/17 18:09	
Tetrachloro-m-xylene [1]	85.4	30-150						8/25/17 18:09	
Tetrachloro-m-xylene [2]	69.1	30-150						8/25/17 18:09	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-19

Sampled: 8/15/2017 11:25

Sample ID: 17H0854-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.4	30-150						8/25/17 18:27	
Decachlorobiphenyl [2]	72.2	30-150						8/25/17 18:27	
Tetrachloro-m-xylene [1]	80.0	30-150						8/25/17 18:27	
Tetrachloro-m-xylene [2]	73.5	30-150						8/25/17 18:27	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-18

Sampled: 8/15/2017 11:20

Sample ID: 17H0854-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.7	30-150						8/25/17 18:44	
Decachlorobiphenyl [2]	79.3	30-150						8/25/17 18:44	
Tetrachloro-m-xylene [1]	73.6	30-150						8/25/17 18:44	
Tetrachloro-m-xylene [2]	66.1	30-150						8/25/17 18:44	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-17

Sampled: 8/15/2017 11:15

Sample ID: 17H0854-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.5	30-150						8/25/17 19:02	
Decachlorobiphenyl [2]	78.5	30-150						8/25/17 19:02	
Tetrachloro-m-xylene [1]	88.4	30-150						8/25/17 19:02	
Tetrachloro-m-xylene [2]	74.4	30-150						8/25/17 19:02	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-16

Sampled: 8/15/2017 11:40

Sample ID: 17H0854-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	59.4	30-150						8/25/17 19:19	
Decachlorobiphenyl [2]	67.1	30-150						8/25/17 19:19	
Tetrachloro-m-xylene [1]	68.7	30-150						8/25/17 19:19	
Tetrachloro-m-xylene [2]	66.6	30-150						8/25/17 19:19	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-DUP-9

Sampled: 8/15/2017 00:00

Sample ID: 17H0854-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.8	30-150						8/25/17 19:37	
Decachlorobiphenyl [2]	64.0	30-150						8/25/17 19:37	
Tetrachloro-m-xylene [1]	63.9	30-150						8/25/17 19:37	
Tetrachloro-m-xylene [2]	59.3	30-150						8/25/17 19:37	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-31

Sampled: 8/15/2017 12:00

Sample ID: 17H0854-18

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.9	30-150							
Decachlorobiphenyl [2]	74.7	30-150							
Tetrachloro-m-xylene [1]	77.9	30-150							
Tetrachloro-m-xylene [2]	70.6	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-39

Sampled: 8/15/2017 11:45

Sample ID: 17H0854-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.2	30-150						8/25/17 20:59	
Decachlorobiphenyl [2]	85.3	30-150						8/25/17 20:59	
Tetrachloro-m-xylene [1]	98.0	30-150						8/25/17 20:59	
Tetrachloro-m-xylene [2]	79.9	30-150						8/25/17 20:59	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-38

Sampled: 8/15/2017 12:10

Sample ID: 17H0854-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.5	30-150						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	

39 Spruce Street * 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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-35

Sampled: 8/15/2017 12:40

Sample ID: 17H0854-22

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.0	30-150						8/26/17 12:21	
Decachlorobiphenyl [2]	74.9	30-150						8/26/17 12:21	
Tetrachloro-m-xylene [1]	70.7	30-150						8/26/17 12:21	
Tetrachloro-m-xylene [2]	66.3	30-150						8/26/17 12:21	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-37

Sampled: 8/15/2017 13:00

Sample ID: 17H0854-23

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1260 [1]	0.18	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.2	30-150						8/26/17 12:39	
Decachlorobiphenyl [2]	62.6	30-150						8/26/17 12:39	
Tetrachloro-m-xylene [1]	92.3	30-150						8/26/17 12:39	
Tetrachloro-m-xylene [2]	83.3	30-150						8/26/17 12:39	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-DUP-8

Sampled: 8/15/2017 00:00

Sample ID: 17H0854-24

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.1	30-150						8/25/17 22:26	
Decachlorobiphenyl [2]	83.9	30-150						8/25/17 22:26	
Tetrachloro-m-xylene [1]	93.9	30-150						8/25/17 22:26	
Tetrachloro-m-xylene [2]	80.7	30-150						8/25/17 22:26	

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0854-01 [WS-AOC-14-SE-29]	B184295	08/17/17
17H0854-02 [WS-AOC-14-SE-30]	B184295	08/17/17
17H0854-03 [WS-AOC-14-SE-31]	B184295	08/17/17
17H0854-04 [WS-AOC-14-SE-32]	B184295	08/17/17
17H0854-05 [WS-AOC-14-SE-33]	B184295	08/17/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-08 [WS-AOC-8-AS-1]	B184578	2.00	10.0	08/21/17
17H0854-10 [WS-AOC-8-AS-5]	B184578	2.01	10.0	08/21/17
17H0854-11 [WS-AOC-8-CO-20]	B184578	2.00	10.0	08/21/17
17H0854-12 [WS-AOC-8-CO-21]	B184578	2.03	10.0	08/21/17
17H0854-13 [WS-AOC-8-CO-19]	B184578	2.02	10.0	08/21/17
17H0854-14 [WS-AOC-8-CO-18]	B184578	2.02	10.0	08/21/17
17H0854-15 [WS-AOC-8-CO-17]	B184578	2.03	10.0	08/21/17
17H0854-16 [WS-AOC-8-CO-16]	B184578	2.01	10.0	08/21/17
17H0854-17 [WS-AOC-8-CO-DUP-9]	B184578	2.00	10.0	08/21/17
17H0854-18 [WS-AOC-7-CO-31]	B184578	2.05	10.0	08/21/17
17H0854-19 [WS-AOC-7-CO-39]	B184578	2.03	10.0	08/21/17
17H0854-20 [WS-AOC-7-CO-38]	B184578	2.04	10.0	08/21/17
17H0854-21 [WS-AOC-7-CO-34]	B184578	2.05	10.0	08/21/17
17H0854-22 [WS-AOC-7-CO-35]	B184578	2.00	10.0	08/21/17
17H0854-23 [WS-AOC-7-CO-37]	B184578	2.03	10.0	08/21/17
17H0854-24 [WS-AOC-7-CO-DUP-8]	B184578	2.04	10.0	08/21/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-09RE1 [WS-AOC-8-AS-2]	B184989	2.10	10.0	08/26/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-01 [WS-AOC-14-SE-29]	B184281	10.0	10.0	08/16/17
17H0854-02 [WS-AOC-14-SE-30]	B184281	10.0	10.0	08/16/17
17H0854-03 [WS-AOC-14-SE-31]	B184281	10.0	10.0	08/16/17
17H0854-04 [WS-AOC-14-SE-32]	B184281	10.0	10.0	08/16/17
17H0854-05 [WS-AOC-14-SE-33]	B184281	10.0	10.0	08/16/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0854-06 [EB-40]	B184505	950	9.50	08/20/17
17H0854-07 [EB-41]	B184505	1000	10.0	08/20/17

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QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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
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Batch B184281 - SW-846 3540C
Blank (B184281-BLK1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	ND	0.020	mg/Kg wet							R-05
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							R-05
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							R-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							R-05
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.175		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.2	30-150			

LCS (B184281-BS1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140			R-05
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.2	40-140			R-05
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.5	40-140			R-05
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			R-05
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			

LCS Dup (B184281-BS1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	0.12	0.020	mg/Kg wet	0.200		59.6	40-140	36.2	*	30	R-05
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		66.3	40-140	31.5	*	30	R-05
Aroclor-1260	0.11	0.020	mg/Kg wet	0.200		53.3	40-140	36.9	*	30	R-05
Aroclor-1260 [2C]	0.11	0.020	mg/Kg wet	0.200		55.1	40-140	31.8	*	30	R-05
Surrogate: Decachlorobiphenyl	0.122		mg/Kg wet	0.200		61.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.127		mg/Kg wet	0.200		63.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.120		mg/Kg wet	0.200		59.9	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.129		mg/Kg wet	0.200		64.7	30-150				

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184578 - SW-846 3540C
Blank (B184578-BLK1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.837		mg/Kg	1.00		83.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.808		mg/Kg	1.00		80.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.850		mg/Kg	1.00		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.819		mg/Kg	1.00		81.9	30-150			

LCS (B184578-BS1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.5	40-140			
Aroclor-1016 [2C]	0.92	0.10	mg/Kg	1.00		91.8	40-140			
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.7	40-140			
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		80.2	40-140			
Surrogate: Decachlorobiphenyl	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.832		mg/Kg	1.00		83.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.821		mg/Kg	1.00		82.1	30-150			

LCS Dup (B184578-BSD1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	0.90	0.10	mg/Kg	1.00		89.7	40-140	0.938	30	
Aroclor-1016 [2C]	0.94	0.10	mg/Kg	1.00		94.0	40-140	2.37	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.8	40-140	0.0915	30	
Aroclor-1260 [2C]	0.81	0.10	mg/Kg	1.00		81.0	40-140	0.978	30	
Surrogate: Decachlorobiphenyl	0.844		mg/Kg	1.00		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.811		mg/Kg	1.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.829		mg/Kg	1.00		82.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.809		mg/Kg	1.00		80.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184578 - SW-846 3540C

Matrix Spike (B184578-MS1)		Source: 17H0854-11		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.79	0.099	mg/Kg	0.990	ND	79.8	40-140			
Aroclor-1016 [2C]	0.75	0.099	mg/Kg	0.990	ND	75.9	40-140			
Aroclor-1260	0.86	0.099	mg/Kg	0.990	ND	86.9	40-140			
Aroclor-1260 [2C]	0.89	0.099	mg/Kg	0.990	ND	89.8	40-140			V-06
Surrogate: Decachlorobiphenyl	0.924		mg/Kg	0.990		93.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.882		mg/Kg	0.990		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.903		mg/Kg	0.990		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.696		mg/Kg	0.990		70.3	30-150			

Matrix Spike (B184578-MS2)		Source: 17H0854-18		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.76	0.099	mg/Kg	0.985	ND	77.0	40-140			
Aroclor-1016 [2C]	0.72	0.099	mg/Kg	0.985	ND	72.8	40-140			
Aroclor-1260	0.82	0.099	mg/Kg	0.985	ND	83.0	40-140			
Aroclor-1260 [2C]	0.85	0.099	mg/Kg	0.985	ND	85.8	40-140			V-06
Surrogate: Decachlorobiphenyl	0.886		mg/Kg	0.985		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.866		mg/Kg	0.985		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.875		mg/Kg	0.985		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.692		mg/Kg	0.985		70.3	30-150			

Matrix Spike Dup (B184578-MSD1)		Source: 17H0854-11		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.90	0.10	mg/Kg	1.00	ND	90.2	40-140	13.1	50	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00	ND	90.1	40-140	18.1	50	
Aroclor-1260	0.90	0.10	mg/Kg	1.00	ND	89.8	40-140	4.27	50	
Aroclor-1260 [2C]	0.94	0.10	mg/Kg	1.00	ND	94.3	40-140	5.89	50	V-06
Surrogate: Decachlorobiphenyl	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.893		mg/Kg	1.00		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.923		mg/Kg	1.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.755		mg/Kg	1.00		75.5	30-150			

Matrix Spike Dup (B184578-MSD2)		Source: 17H0854-18		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.82	0.10	mg/Kg	1.00	ND	82.5	40-140	8.32	50	
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00	ND	80.2	40-140	11.2	50	
Aroclor-1260	0.80	0.10	mg/Kg	1.00	ND	80.3	40-140	1.81	50	
Aroclor-1260 [2C]	0.84	0.10	mg/Kg	1.00	ND	84.4	40-140	0.116	50	V-06
Surrogate: Decachlorobiphenyl	0.811		mg/Kg	1.00		81.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.843		mg/Kg	1.00		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.724		mg/Kg	1.00		72.4	30-150			

Batch B184989 - SW-846 3540C

Blank (B184989-BLK1)				Prepared: 08/26/17 Analyzed: 08/27/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184989 - SW-846 3540C

Blank (B184989-BLK1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.852		mg/Kg	1.00		85.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.855		mg/Kg	1.00		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.913		mg/Kg	1.00		91.3	30-150			

LCS (B184989-BS1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1016	0.98	0.10	mg/Kg	1.00		97.7	40-140			
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		105	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		87.7	40-140			
Surrogate: Decachlorobiphenyl	0.908		mg/Kg	1.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.962		mg/Kg	1.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.959		mg/Kg	1.00		95.9	30-150			

LCS Dup (B184989-BSD1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	2.51	30	
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		107	40-140	1.03	30	
Aroclor-1260	0.86	0.10	mg/Kg	1.00		85.6	40-140	2.41	30	
Aroclor-1260 [2C]	0.90	0.10	mg/Kg	1.00		89.6	40-140	2.12	30	
Surrogate: Decachlorobiphenyl	0.909		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.975		mg/Kg	1.00		97.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.01		mg/Kg	1.00		101	30-150			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184295 - % Solids

Duplicate (B184295-DUP1)		Source: 17H0854-01		Prepared: 08/17/17 Analyzed: 08/18/17						
% Solids	27.4		% Wt		30.0			9.06	20	
Duplicate (B184295-DUP2)		Source: 17H0854-03		Prepared: 08/17/17 Analyzed: 08/18/17						
% Solids	29.5		% Wt		29.4			0.340	20	

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-29

Lab Sample ID: 17H0854-01 Date(s) Analyzed: 08/21/2017 08/21/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.9	11.1
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	2.1	27.0
Aroclor-1260	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	0.87	14.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-30

Lab Sample ID: 17H0854-02 Date(s) Analyzed: 08/21/2017 08/21/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.50	27.3
Aroclor-1254	1	0.000	-0.030	0.030	0.51	
	2	0.000	-0.030	0.030	0.65	24.1
Aroclor-1260	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.47	23.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-31

Lab Sample ID: 17H0854-03 Date(s) Analyzed: 08/21/2017 08/21/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.52	31.1
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.57	35.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-14-SE-33***SW-846 8082A*

Lab Sample ID: 17H0854-05 Date(s) Analyzed: 08/21/2017 08/21/2017
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.58	27.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-7-CO-34**Lab Sample ID: 17H0854-21 Date(s) Analyzed: 08/26/2017 08/26/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.10	18.2

**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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Water</i>	
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Company Name: Weston & Sampson
 Address: 273 Divided Rd. Rocky Hill, CT
 Phone: 800 SAMPSON
 Project Name: English Station
 Project Location: 510 Grand Ave New Haven, CT
 Project Number: 2170495
 Project Manager: Malcolm Becker
 Con-Test Quote Name/Number:
 Invoice Recipient:

Sampled By: TPS

Requested Turnaround Time
 7-Day ☒ 10-Day ☐
 Due Date:
 Rush Approval Required
 1-Day ☐ 3-Day ☐
 2-Day ☐ 4-Day ☐
 Data Delivery
 Format: PDF ☒ EXCEL ☒
 Other:
 CLP Like Data Pkg Required: ☐
 Email To: beckerm@newseinc.com
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC-14-SE-29	8/14/17	1230		X	S	U
2	WS-AOC-14-SE-30		1300		X		
3	WS-AOC-14-SE-31		1330		X		
4	WS-AOC-14-SE-32		1345		X		
5	WS-AOC-14-SE-33		1405		X		
6	EB-40		1400		X	O	
7	EB-41	8/15/17	0700		X	O	
8	WS-AOC-8-AS-1		1105		X	O	
9	WS-AOC-8-AS-2		1100		X	O	
10	WS-AOC-8-AS-5		1110		X	O	

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

3 Container Codes:

A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 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)

1 Matrix Codes:

GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)
BF / Potions
Acetic

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) [Signature] Date/Time: 8/15/17 1520

Received by: (signature) [Signature] Date/Time: 8/15/17 1710

Relinquished by: (signature) [Signature] Date/Time: 8/15/17

Received by: (signature) [Signature] Date/Time: 8/15/17 16:20

Relinquished by: (signature) [Signature] Date/Time: 8/15/17

Received by: (signature) [Signature] Date/Time: 8/15/17



PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

Municipality
☐ MWRA
☐ School
☐ MBTA

Government
☐ 21 J
☐ City

Project Entity
☐ WRTA
☐ Brownfield

NECAC and AIHA-LAP, LLC Accredited

17H0854

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com



Company Name: Weston B Sampson
Address: 873 Dividend Rd Derby Hill, CT
Phone: 800-SAMPSON
Project Name: English Station
Project Location: 510 Grand Ave New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Becker
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: TPS

CLP Like Data Pkg Required: ☐Email To: BELSON@wsinc.com

Fax To #:

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:	

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC-8-CO-20	8/15/17	1130		X	0	U
12	WS-AOC-8-CO-21		1135				
13	WS-AOC-8-CO-19		1135				
14	WS-AOC-8-CO-18		1120				
15	WS-AOC-8-CO-17		1115				
16	WS-AOC-8-CO-16		1140				
17	WS-AOC-8-CO-DOP-7						
18	WS-AOC-7-CO-31		1200				
19	WS-AOC-7-CO-39		1145				
20	WS-AOC-7-CO-38		1210				

Comments:

WS-AOC-8-CO-20 is MS/MSD.
WS-AOC-7-CO-31 is MS/MSD.

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	Special Requirements	MA MCP Required ☐
Received by: (signature)	Date/Time: 8/15/17 1510	MCP Certification Form Required ☒	CT RCP Required ☐
Relinquished by: (signature)	Date/Time: 8/15/17 1210	RCP Certification Form Required ☐	MA State DMW Required ☐
Received by: (signature)	Date/Time: 8/15/17 16:20	PMSID #	
Inquired by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:		



# of Containers	
Preservation Code	
Container Code	

Matrix Codes:	
GW = Ground Water	
WW = Waste Water	
DW = Drinking Water	
A = Air	
S = Soil	
SL = Sludge	
SOL = Solid	
O = Other (please define)	

Preservation Codes:	
I = Iced	
H = HCL	
M = Methanol	
N = Nitric Acid	
S = Sulfuric Acid	
B = Sodium Bisulfate	
X = Sodium Hydroxide	
T = Sodium Thiosulfate	
O = Other (please define)	

Container Codes:	
A = Amber Glass	
G = Glass	
P = Plastic	
ST = Sterile	
V = Vial	
S = Summa Canister	
T = Tedlar Bag	
O = Other (please define)	

Matrix Codes:	
GW = Ground Water	
WW = Waste Water	
DW = Drinking Water	
A = Air	
S = Soil	
SL = Sludge	
SOL = Solid	
O = Other (please define)	

Preservation Codes:	
I = Iced	
H = HCL	
M = Methanol	
N = Nitric Acid	
S = Sulfuric Acid	
B = Sodium Bisulfate	
X = Sodium Hydroxide	
T = Sodium Thiosulfate	
O = Other (please define)	

Container Codes:	
A = Amber Glass	
G = Glass	
P = Plastic	
ST = Sterile	
V = Vial	
S = Summa Canister	
T = Tedlar Bag	
O = Other (please define)	

PCB ONLY	
Soxhlet	
Non Soxhlet	

Project Entity	Government ☐ Municipality ☐ WRA ☐ Other ☐
	Federal ☐ 21 J ☐ School ☐ MBTA ☐
	City ☐ Brownfield ☐

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Inquired by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



Company Name: **Weston & Sampson**
 Address: **273 Dividend Rd Rocky Hill CT**
 Phone: **860 546 1000**
 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**CLP Like Data Pkg Required: ☐Email To: **Becker.McWaters@con-**

Fax To #:

Requested Turnaround Time	
7-Day	☒ 10-Day
Due Date:	
Rush Approval Required	
1-Day	☐ 3-Day
2-Day	☐ 4-Day
Data Delivery	
Format:	PDF ☒ EXCEL
Other:	

CLP Like Data Pkg Required: ☐Email To: **Becker.McWaters@con-**

Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
21	WS-AOL-7-CO-34	8/15/17	12:00		X	0	U
22	WS-AOL-7-CO-35		12:40		X	0	U
23	WS-AOL-7-CO-37		13:00		X	0	U
24	WS-AOL-7-CO-DUP-8				X	0	U

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature)		Date/Time:	Detection Limit Requirements		Special Requirements	
		8/15/17 15:10	MA	☐ MA MCP Required		
Received by: (Signature)		8/15/17 15:10		☒ MCP Certification Form Required		
Relinquished by: (Signature)		8/15/17 16:21	CT	☒ CT RCP Required		
Received by: (Signature)		8/15/17 16:20		☐ RCP Certification Form Required		
Inquired by: (Signature)		8/15/17 16:20	Other	☐ MA State DWP Required		
Received by: (Signature)			PWSID #			



NELAP and AIHA-LAP, LLC Accredited

Project Entity		Municipality		Other	
☐ Government	☐ Federal	☐ City	☐ Brownfield	☐ WRTA	☐ Chromatogram
☐ School	☐ MBTA	☐ AIHA-LAP, LLC			

PCB ONLY

☐ Soxhlet☐ Non Soxhlet

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston E. Sampson

Received By WCG Date 8/15/17 Time 16:20

How were the samples received? In Cooler T No Cooler On Ice T No Ice
Direct from Sampling Ambient Melted Ice

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.1°C/4.6°C
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? T MS/MSD? T

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? Acid N/A Base N/A

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	<u>4</u>	1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H0854

Laboratory Sample ID(s):

17H0854-01 thru 17H0854-24

Sample Date(s):

08/14/2017,

08/15/2017

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☒ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☒ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☒ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☒ Yes ☐ No
5B	Were these reporting limits met?	☒ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☒ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/28/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

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,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long horizontal flourish extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/11/2017

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	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

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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-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							
Toluene-d8	100	70-130							
4-Bromofluorobenzene	97.0	70-130							

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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-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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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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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							
Decachlorobiphenyl [2]	109	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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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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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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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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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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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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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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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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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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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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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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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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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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							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	94.2	70-130							

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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

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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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							
Phenol-d6	48.0	30-130							
Nitrobenzene-d5	46.0	30-130							
2-Fluorobiphenyl	48.5	30-130							
2,4,6-Tribromophenol	44.4	30-130							
p-Terphenyl-d14	61.9	30-130							

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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

Polychlorinated 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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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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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							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	94.8	70-130							

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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

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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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							
Phenol-d6	60.4	30-130							
Nitrobenzene-d5	61.5	30-130							
2-Fluorobiphenyl	61.6	30-130							
2,4,6-Tribromophenol	71.3	30-130							
p-Terphenyl-d14	79.6	30-130							

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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

Polychlorinated 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							
Decachlorobiphenyl [2]	67.9	30-150							
Tetrachloro-m-xylene [1]	72.4	30-150							
Tetrachloro-m-xylene [2]	76.7	30-150							

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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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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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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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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							
Decachlorobiphenyl [2]	121	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	104	30-150							

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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

39 Spruce Street * 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							
Toluene-d8	91.5	70-130							
4-Bromofluorobenzene	89.6	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

39 Spruce Street * 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							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	93.2	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

39 Spruce Street * 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							
Phenol-d6	29.4	15-110							
Nitrobenzene-d5	89.2	30-130							
Nitrobenzene-d5	75.1	30-130							
2-Fluorobiphenyl	81.1	30-130							
2-Fluorobiphenyl	71.2	30-130							
2,4,6-Tribromophenol	100	15-110							
p-Terphenyl-d14	67.2	30-130							
p-Terphenyl-d14	103	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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	

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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

Petrolium 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		

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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

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

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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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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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 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
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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
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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

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					
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
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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
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 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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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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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
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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-BS1)										
					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	*	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	*	R-05
2-Methylnaphthalene (SIM)	84.3	25	µg/L	100		84.3	40-140	20.7	*	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
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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
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Batch B184951 - SW-846 7470A Prep
Blank (B184951-BLK1)

Prepared & Analyzed: 08/29/17

Mercury	ND	0.00010	mg/L
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LCS (B184951-BS1)

Prepared & Analyzed: 08/29/17

Mercury	0.00196	0.00010	mg/L	0.00200	98.1	80-120
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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
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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
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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							
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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			
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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	
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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
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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****WS-AOC-9-SE-85***SW-846 8082A*

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

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

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

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

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT
<i>SW-846 6010C-D in Soil</i>	
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
<i>SW-846 6020A-B in Water</i>	
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
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
<i>SW-846 8260C in Water</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
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
<i>SW-846 8270D in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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
<i>SW-846 8270D in Water</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
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 Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



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http://www.contestlabs.com

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

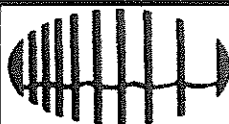
Page 1 of 1

CHAIN OF CUSTODY RECORD

Company Name: <u>Weston & Sampson</u> Address: <u>273 Dividend Rd, Rocky Hill, CT</u> Phone: <u>860-513-1473</u> Project Name: <u>English Station</u> Project Location: <u>510 Grand Ave, New Haven, CT</u> Project Number: <u>2170495</u> Project Manager: <u>Malcolm Beeler</u> Con-Test Quote Name/Number: _____ Invoice Recipient: <u>Malcolm Beeler (Weston & Sampson)</u> Sampled By: <u>William Sirotnak</u>		Requested Turnaround Time 7-Day ☒ 10-Day ☐ Due Date: _____ Rush-Approval Required 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐ Data Delivery Format: PDF ☒ EXCEL ☒ Other: _____ CLP Like Data Pkg Required: ☐ Email To: <u>beelem@wse.com</u> Fax To #: _____		ANALYSIS REQUESTED <u>PLBS (Sox h test)</u> <u>WOLs</u> <u>RSR-J</u> <u>ETPH</u> <u>SLCs</u> <u>WOLs</u>		Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define) <u>D.I.</u> Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) _____ Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define) _____									
Con-Test Work Order# 1 2 3 4 5 6 7		Client Sample ID / Description <u>WS-AOC-9-SE-85</u> <u>WS-AOC-9-SE-87</u> <u>WS-AOC-9-SE-88</u> <u>WS-AOC-9-SE-90</u> <u>WS-AOC-8-SE-23</u> <u>Trip Blank</u> <u>EB-52</u>		Beginning Date/Time <u>8/25/17</u> <u>1330</u> <u>1340</u> <u>1350</u> <u>1400</u> <u>1410</u> <u>1415</u>		Ending Date/Time <u>1330</u> <u>1340</u> <u>1350</u> <u>1400</u> <u>1410</u> <u>1415</u>		Composite ☒		Grab ☒		Matrix Code <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u> <u>S</u>		Conc Code <u>V</u> <u>V</u> <u>V</u> <u>V</u> <u>V</u> <u>V</u> <u>V</u>	
Comments: Please hold excess volumes for possible SPL 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) <u>[Signature]</u> Date/Time: <u>8/25/17 1510</u> Received by: (signature) <u>[Signature]</u> Date/Time: <u>8/25/17 1510</u> Relinquished by: (signature) <u>[Signature]</u> Date/Time: <u>8/25/17 1640</u> Received by: (signature) <u>[Signature]</u> Date/Time: <u>8/25/17 1640</u> Relinquished by: (signature) <u>[Signature]</u> Date/Time: <u>8/25/17 1640</u> Received by: (signature) <u>[Signature]</u> Date/Time: <u>8/25/17 1640</u>															
Special Requirements MA MCP Required ☐ MCP Certification Form Required ☒ CT RCP Required ☒ RCP Certification Form Required ☒ MA State DW Required ☐ PWSID # _____															
Project Entity Government ☐ Municipality ☐ WRTA ☐ Other ☐ Federal ☐ City ☐ School ☐ Chromatogram ☐ Brownfield ☐ MBTA ☐ AIHA-LAP, LLC ☐															



39 Spruce St.
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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 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? N/A Who was notified?
Are there Lab to Filters? N/A Who was notified?
Are there Rushes? N/A Who was notified?

Are there Short Holds? T MS/MSD? N/A
Is there enough Volume? N/A Is splitting samples required? N/A
Is there Headspace where applicable? T On COC? T
Proper Media/Containers Used? T Acid Base
Were trip blanks received? N/A

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
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:

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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

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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

8/30/17 12:02 PM

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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

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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

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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

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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:
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.

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,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 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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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 10/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 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	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 10/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 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	

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"

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-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 (DBP)**

B185016-BS1

Chloromethane

B185016-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

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

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-AOC13-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]

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

39 Spruce Street * 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

39 Spruce Street * 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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	99.5	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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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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	
Phenol-d6	62.3	30-130	
Nitrobenzene-d5	64.9	30-130	
2-Fluorobiphenyl	64.5	30-130	
2,4,6-Tribromophenol	73.9	30-130	
p-Terphenyl-d14	71.8	30-130	

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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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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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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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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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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							
Phenol-d6	52.6	30-130							
Nitrobenzene-d5	58.0	30-130							
2-Fluorobiphenyl	57.9	30-130							
2,4,6-Tribromophenol	65.0	30-130							
p-Terphenyl-d14	66.7	30-130							

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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

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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
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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	98.3	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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							
Decachlorobiphenyl [2]	98.3	30-150							
Tetrachloro-m-xylene [1]	91.9	30-150							
Tetrachloro-m-xylene [2]	95.9	30-150							

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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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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

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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

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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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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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							
Decachlorobiphenyl [2]	96.4	30-150							
Tetrachloro-m-xylene [1]	75.6	30-150							
Tetrachloro-m-xylene [2]	79.2	30-150							

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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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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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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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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

39 Spruce Street * 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							
Toluene-d8	105	70-130							
4-Bromofluorobenzene	98.8	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

39 Spruce Street * 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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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							
Decachlorobiphenyl [2]	89.7	30-150							
Tetrachloro-m-xylene [1]	92.8	30-150							
Tetrachloro-m-xylene [2]	95.6	30-150							

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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

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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
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	

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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

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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
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							
Phenol-d6	60.3	30-130							
Nitrobenzene-d5	69.4	30-130							
2-Fluorobiphenyl	59.4	30-130							
2,4,6-Tribromophenol	76.5	30-130							
p-Terphenyl-d14	79.4	30-130							

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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

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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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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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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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							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	100	70-130							

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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

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

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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

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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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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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

39 Spruce Street * 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

Conventional 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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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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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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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

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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

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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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

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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
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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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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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

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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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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	104	70-130							

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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

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

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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

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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

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

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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
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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	96.0	70-130							

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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

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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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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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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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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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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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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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	

39 Spruce Street * 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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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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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							
Toluene-d8	106	70-130							
4-Bromofluorobenzene	102	70-130							

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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-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

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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-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							
Phenol-d6	69.6	30-130							
Nitrobenzene-d5	76.4	30-130							
2-Fluorobiphenyl	63.6	30-130							
2,4,6-Tribromophenol	89.5	30-130							
p-Terphenyl-d14	83.2	30-130							

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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-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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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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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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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

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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
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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
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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
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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
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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
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
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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-BS1)										
					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
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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
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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
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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
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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
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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	
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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

WS-AOC13-SE-26

SW-846 8082A

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-27***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-28***SW-846 8082A*

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

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-30***SW-846 8082A*

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****WS-AOC13-SE-31***SW-846 8082A*

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

**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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-SE-16***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****AS-AOC8-SE-18***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-SE-19***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-SE-24***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-26***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-27***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-29***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-CO-16***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-CO-17***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-CO-18***SW-846 8082A*

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-CO-19***SW-846 8082A*

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

**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

**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

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>SW-846 6010C-D in Soil</i>	
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
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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 Public 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

1741544



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Weston & Sampson Engineers

273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotak

Requested Turnaround Time	7-Day ☒	10-Day ☐	Other: ☐
Rush Approval Required	1-Day ☐	3-Day ☐	5-Day ☐
Data Delivery	2-Day ☐	4-Day ☐	
Format: PDF ☒ EXCEL ☒			
Enhanced Data Package Required: ☐			
Email To: beelerm@wseinc.com			
Fax To #:			

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC3-SE-26	8/29/17	0900	X		S	U
2	WS-AOC3-SE-27		0930				
3	WS-AOC3-SE-28		0945				
4	WS-AOC3-SE-29		1000				
5	WS-AOC3-SE-30		1015				
6	WS-AOC3-SE-31		1030				
7	WS-AOC3-SE-6		1045				
8	WS-AOC3-SE-16		1200				
9	WS-AOC8-SE-17		1215				
10	WS-AOC8-SE-18		1230				

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: 8/29/17	Detection Limit Requirements	MA
Received by: (signature)	Date/Time: 8/29/17 1505		
Relinquished by: (signature)	Date/Time: 8/29/17	RES DEC	CT
Received by: (signature)	Date/Time: 8/29/17		Other:
Relinquished by: (signature)	Date/Time: 8/29/17 530	TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.	
Received by: (signature)	Date/Time: 8/29/17 1730	NEAAC and AIHA-LAP, LLC Accredited	

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

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By SM Date 8/29/17 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 Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified?

Are there Rushes? N/A Who was notified?

Are there Short Holds? N/A Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
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:
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



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Direct: 978-587-4006

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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,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long horizontal flourish extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 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	

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	

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	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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

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

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-AOC13-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]

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

39 Spruce Street * 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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	99.5	70-130							

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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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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							
Phenol-d6	62.3	30-130							
Nitrobenzene-d5	64.9	30-130							
2-Fluorobiphenyl	64.5	30-130							
2,4,6-Tribromophenol	73.9	30-130							
p-Terphenyl-d14	71.8	30-130							

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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

39 Spruce Street * 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

39 Spruce Street * 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
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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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							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	101	70-130							

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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

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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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							
Phenol-d6	52.6	30-130							
Nitrobenzene-d5	58.0	30-130							
2-Fluorobiphenyl	57.9	30-130							
2,4,6-Tribromophenol	65.0	30-130							
p-Terphenyl-d14	66.7	30-130							

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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

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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
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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	98.3	70-130							

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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

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

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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

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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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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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							
Decachlorobiphenyl [2]	98.3	30-150							
Tetrachloro-m-xylene [1]	91.9	30-150							
Tetrachloro-m-xylene [2]	95.9	30-150							

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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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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							
Toluene-d8	105	70-130							
4-Bromofluorobenzene	104	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

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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

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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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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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							
Decachlorobiphenyl [2]	96.4	30-150							
Tetrachloro-m-xylene [1]	75.6	30-150							
Tetrachloro-m-xylene [2]	79.2	30-150							

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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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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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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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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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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							
Toluene-d8	105	70-130							
4-Bromofluorobenzene	98.8	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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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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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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							
Decachlorobiphenyl [2]	89.7	30-150							
Tetrachloro-m-xylene [1]	92.8	30-150							
Tetrachloro-m-xylene [2]	95.6	30-150							

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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

Petrolium 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

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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
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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	104	70-130							

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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

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

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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

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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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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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

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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
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							
Phenol-d6	60.3	30-130							
Nitrobenzene-d5	69.4	30-130							
2-Fluorobiphenyl	59.4	30-130							
2,4,6-Tribromophenol	76.5	30-130							
p-Terphenyl-d14	79.4	30-130							

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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

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		

39 Spruce Street * 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

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

39 Spruce Street * 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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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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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							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	100	70-130							

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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

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

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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

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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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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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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	101	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

39 Spruce Street * 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

39 Spruce Street * 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
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

Petrolium 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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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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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

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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

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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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

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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
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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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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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

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

39 Spruce Street * 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
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

39 Spruce Street * 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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	104	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 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

39 Spruce Street * 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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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

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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

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

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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

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

39 Spruce Street * 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

Conventional 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

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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
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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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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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							
Phenol-d6	65.3	30-130							
Nitrobenzene-d5	75.0	30-130							
2-Fluorobiphenyl	66.0	30-130							
2,4,6-Tribromophenol	87.7	30-130							
p-Terphenyl-d14	70.0	30-130							

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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

Polychlorinated 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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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

Petrolium 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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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: 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	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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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: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 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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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: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-16

Sampled: 8/29/2017 12:05

Sample ID: 17H1544-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	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-17

Sampled: 8/29/2017 12:20

Sample ID: 17H1544-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	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-18

Sampled: 8/29/2017 12:35

Sample ID: 17H1544-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	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							
Decachlorobiphenyl [2]	72.2	30-150							
Tetrachloro-m-xylene [1]	62.8	30-150							
Tetrachloro-m-xylene [2]	64.1	30-150							

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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-19

Sampled: 8/29/2017 12:50

Sample ID: 17H1544-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	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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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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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							
Toluene-d8	106	70-130							
4-Bromofluorobenzene	102	70-130							

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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-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

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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-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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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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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	

39 Spruce Street * 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

39 Spruce Street * 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

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
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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 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-16]	B185577	2.07	10.0	09/06/17
17H1544-17 [WS-AOC8-CO-17]	B185577	2.09	10.0	09/06/17
17H1544-18 [WS-AOC8-CO-18]	B185577	2.08	10.0	09/06/17
17H1544-19 [WS-AOC8-CO-19]	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
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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
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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
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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
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
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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-BS1)										
					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
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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
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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
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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
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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
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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
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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****WS-AOC13-SE-26***SW-846 8082A*Lab Sample ID: 17H1544-01 Date(s) Analyzed: 09/09/2017 09/09/2017

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	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-27***SW-846 8082A*Lab Sample ID: 17H1544-02 Date(s) Analyzed: 09/09/2017 09/09/2017

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	5.0	
	2	0.000	-0.030	0.030	4.9	2.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-28***SW-846 8082A*Lab Sample ID: 17H1544-03 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.26	
	2	0.000	-0.030	0.030	0.26	0.0

**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): 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	0.40	
	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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-30***SW-846 8082A*Lab Sample ID: 17H1544-05 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.46	
	2	0.000	-0.030	0.030	0.43	6.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-31***SW-846 8082A*Lab Sample ID: 17H1544-06 Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.8	
	2	0.000	-0.030	0.030	9.2	6.3

**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): 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	7.5	
	2	0.000	-0.030	0.030	7.1	5.5

**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): 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	2300	
	2	0.000	-0.030	0.030	2100	9.1

**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): 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	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): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	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): 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	
	2	0.000	-0.030	0.030	1.4	6.9

**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): 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	0.32	
	2	0.000	-0.030	0.030	0.32	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-26***SW-846 8082A*Lab Sample ID: 17H1544-13 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.96	
	2	0.000	0.000	0.000	1.1	13.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-27***SW-846 8082A*Lab Sample ID: 17H1544-14 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.85	
	2	0.000	0.000	0.000	0.93	9.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-29***SW-846 8082A*Lab Sample ID: 17H1544-15 Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.9	7.1

**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): 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	1700	
	2	0.000	0.000	0.000	1800	5.7

**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): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	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): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

**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): 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	0.74	
	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): 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	1.5	6.5

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>SW-846 6010C-D in Soil</i>	
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
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
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
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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
3/4-Methylphenol	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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 Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1741544

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotak

Requested Turnaround Time	7-Day ☒	10-Day ☐	5-day ☐
Rush Approval Required	1-Day ☐	3-Day ☐	4-Day ☐
Data Delivery	Format: PDF ☒ EXCEL ☒	Other: ☐	
Enhanced Data Package Required:	☐		
Email To:	beelerm@wseinc.com		
Fax To #:			

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC3-SE-26	8/29/17	0900	X		S	U
2	WS-AOC3-SE-27		0930				
3	WS-AOC3-SE-28		0945				
4	WS-AOC3-SE-29		1000				
5	WS-AOC3-SE-30		1015				
6	WS-AOC3-SE-31		1030				
7	WS-AOC3-SE-6		1045				
8	WS-AOC3-SE-16		1200				
9	WS-AOC8-SE-17		1215				
10	WS-AOC8-SE-18		1230				

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: 8/29/17	Detection Limit Requirements	MA
Received by: (signature)	Date/Time: 8/29/17 1505		
Relinquished by: (signature)	Date/Time: 8/29/17	RES DEC	CT
Received by: (signature)	Date/Time: 8/29/17		Other:
Relinquished by: (signature)	Date/Time: 8/29/17 530	TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.	
Received by: (signature)	Date/Time: 8/29/17 1730	NELAC and AIHA-LAP, LLC Accredited	

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



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC8-SE-19	8/29/17	1245		X	S	U
12	WS-AOC8-SE-24		1300		X	S	U
13	WS-AOC13-Co-26		910			O	
14	WS-AOC13-Co-27		940				
15	WS-AOC13-Co-29		1005				
16	WS-AOC8-Co-16		1205				
17	WS-AOC8-Co-17		1220				
18	WS-AOC8-Co-18		1235				
19	WS-AOC8-Co-19		1250				
20	WS-AOC13-SE-Dup1						

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

Requested by: (signature)	Date/Time: 8/29/17	Detection Limit Requirements	
Received by: (signature)	Date/Time: 8/29/17 1505	MA	
Relinquished by: (signature)	Date/Time: 8/29/17	CT	RES DEC
Received by: (signature)	Date/Time: 8/29/17 420	Other:	
Relinquished by: (signature)	Date/Time: 8/29/17 500		
Received by: (signature)	Date/Time: 8/29/17 2.4		

Program Information

- 8/29/17 1730
- ☐ MCP Analytical Certification Form Required
- ☒ RCP Analysis Certification Form Required
- ☐ MA State DW Form Required
- PWSID # _____

NETAC 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

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

# of Containers	
2 Preservation Code	
3 Container Code	

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)

ANALYSIS REQUESTED

PCBs (Soxhlet)
 ETPH
 KSR 15 Metals
 SVOCs
 VOCs

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 Tamed with? N/A
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified?
Are there Rushes? N/A Who was notified?
Are there Short Holds? N/A Who was notified?
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
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:
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.

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,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 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	

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	

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	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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

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

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-AOC13-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]

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

39 Spruce Street * 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

39 Spruce Street * 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	

39 Spruce Street * 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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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							
Phenol-d6	62.3	30-130							
Nitrobenzene-d5	64.9	30-130							
2-Fluorobiphenyl	64.5	30-130							
2,4,6-Tribromophenol	73.9	30-130							
p-Terphenyl-d14	71.8	30-130							

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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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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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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							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	101	70-130							

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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

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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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							
Phenol-d6	52.6	30-130							
Nitrobenzene-d5	58.0	30-130							
2-Fluorobiphenyl	57.9	30-130							
2,4,6-Tribromophenol	65.0	30-130							
p-Terphenyl-d14	66.7	30-130							

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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

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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
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	

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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							
Decachlorobiphenyl [2]	98.3	30-150							
Tetrachloro-m-xylene [1]	91.9	30-150							
Tetrachloro-m-xylene [2]	95.9	30-150							

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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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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							
Toluene-d8	105	70-130							
4-Bromofluorobenzene	104	70-130							

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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

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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

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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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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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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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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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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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

39 Spruce Street * 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	

39 Spruce Street * 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

39 Spruce Street * 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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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							
Decachlorobiphenyl [2]	89.7	30-150							
Tetrachloro-m-xylene [1]	92.8	30-150							
Tetrachloro-m-xylene [2]	95.6	30-150							

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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

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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
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	

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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							
Toluene-d8	99.8	70-130							
4-Bromofluorobenzene	96.0	70-130							

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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

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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
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							
Phenol-d6	60.3	30-130							
Nitrobenzene-d5	69.4	30-130							
2-Fluorobiphenyl	59.4	30-130							
2,4,6-Tribromophenol	76.5	30-130							
p-Terphenyl-d14	79.4	30-130							

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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

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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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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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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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							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	100	70-130							

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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

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

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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

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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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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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

39 Spruce Street * 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

Conventional 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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	101	70-130							

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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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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

Petrolium 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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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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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

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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

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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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

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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
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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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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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

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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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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	104	70-130							

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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

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

39 Spruce Street * 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

39 Spruce Street * 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

39 Spruce Street * 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

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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

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							
Decachlorobiphenyl [2]	130	30-150							
Tetrachloro-m-xylene [1]	39.8	30-150							
Tetrachloro-m-xylene [2]	44.8	30-150							

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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

Petrolium 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

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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
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							
Toluene-d8	104	70-130							
4-Bromofluorobenzene	96.0	70-130							

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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

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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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							
Phenol-d6	65.3	30-130							
Nitrobenzene-d5	75.0	30-130							
2-Fluorobiphenyl	66.0	30-130							
2,4,6-Tribromophenol	87.7	30-130							
p-Terphenyl-d14	70.0	30-130							

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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

Polychlorinated 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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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

Petrolium 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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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: 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	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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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: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 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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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: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-16

Sampled: 8/29/2017 12:05

Sample ID: 17H1544-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	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-17

Sampled: 8/29/2017 12:20

Sample ID: 17H1544-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	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-18

Sampled: 8/29/2017 12:35

Sample ID: 17H1544-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	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-19

Sampled: 8/29/2017 12:50

Sample ID: 17H1544-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	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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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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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	

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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-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

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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-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							
Phenol-d6	69.6	30-130							
Nitrobenzene-d5	76.4	30-130							
2-Fluorobiphenyl	63.6	30-130							
2,4,6-Tribromophenol	89.5	30-130							
p-Terphenyl-d14	83.2	30-130							

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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-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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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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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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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

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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
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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-16]	B185577	2.07	10.0	09/06/17
17H1544-17 [WS-AOC8-CO-17]	B185577	2.09	10.0	09/06/17
17H1544-18 [WS-AOC8-CO-18]	B185577	2.08	10.0	09/06/17
17H1544-19 [WS-AOC8-CO-19]	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
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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
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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
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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
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
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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-BS1)										
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
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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
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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
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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
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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
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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
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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	

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): 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	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-27***SW-846 8082A*Lab Sample ID: 17H1544-02 Date(s) Analyzed: 09/09/2017 09/09/2017

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	5.0	
	2	0.000	-0.030	0.030	4.9	2.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-28***SW-846 8082A*Lab Sample ID: 17H1544-03 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.26	
	2	0.000	-0.030	0.030	0.26	0.0

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): 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	0.40	
	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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-30***SW-846 8082A*Lab Sample ID: 17H1544-05 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.46	
	2	0.000	-0.030	0.030	0.43	6.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SE-31***SW-846 8082A*Lab Sample ID: 17H1544-06 Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.8	
	2	0.000	-0.030	0.030	9.2	6.3

**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): 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	7.5	
	2	0.000	-0.030	0.030	7.1	5.5

**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): 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	2300	
	2	0.000	-0.030	0.030	2100	9.1

**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): 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	14	
	2	0.000	-0.030	0.030	13	7.4

**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): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	3.6

**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): 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	
	2	0.000	-0.030	0.030	1.4	6.9

**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): 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	0.32	
	2	0.000	-0.030	0.030	0.32	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-26***SW-846 8082A*Lab Sample ID: 17H1544-13 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.96	
	2	0.000	0.000	0.000	1.1	13.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-27***SW-846 8082A*Lab Sample ID: 17H1544-14 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.85	
	2	0.000	0.000	0.000	0.93	9.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-CO-29***SW-846 8082A*Lab Sample ID: 17H1544-15 Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.9	7.1

**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): 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	1700	
	2	0.000	0.000	0.000	1800	5.7

**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): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	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): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

**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): 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	0.74	
	2	0.000	0.000	0.000	0.79	6.5

**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): 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	1.5	6.5

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in 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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
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
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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
3/4-Methylphenol	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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 Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1741544

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotak

Requested Turnaround Time	7-Day ☒	10-Day ☐	5-day ☐
Rush Approval Required	1-Day ☐	3-Day ☐	4-Day ☐
Data Delivery	Format: PDF ☒	EXCEL ☒	
Enhanced Data Package Required:	☐		
Email To:	beelerm@wseinc.com		
Fax To #:			

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC3-SE-26	8/29/17	0900	X		S	U
2	WS-AOC3-SE-27		0930				
3	WS-AOC3-SE-28		0945				
4	WS-AOC3-SE-29		1000				
5	WS-AOC3-SE-30		1015				
6	WS-AOC3-SE-31		1030				
7	WS-AOC3-SE-6		1045				
8	WS-AOC3-SE-16		1200				
9	WS-AOC8-SE-17		1215				
10	WS-AOC8-SE-18		1230				

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: 8/29/17	Detection Limit Requirements	MA
Received by: (signature)	Date/Time: 8/29/17 1505		
Relinquished by: (signature)	Date/Time: 8/29/17	RES DEC	CT
Received by: (signature)	Date/Time: 8/29/17 1730		Other:
Relinquished by: (signature)	Date/Time: 8/29/17 530	TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.	
Received by: (signature)	Date/Time: 8/29/17 1730	NELAC and AIHA-LAP, LLC Accredited	

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



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC8-SE-19	8/29/17	1245		X	S	U
12	WS-AOC8-SE-24		1300		X	S	U
13	WS-AOC13-Co-26		910			O	
14	WS-AOC13-Co-27		940				
15	WS-AOC13-Co-29		1005				
16	WS-AOC8-Co-16		1205				
17	WS-AOC8-Co-17		1220				
18	WS-AOC8-Co-18		1235				
19	WS-AOC8-Co-19		1250				
20	WS-AOC13-SE-Dup1						

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

Requested by: (signature)	Date/Time:	Detection Limit Requirements
Received by: (signature)	Date/Time: 8/29/17	MA
Relinquished by: (signature)	Date/Time: 8/29/17	CT
Received by: (signature)	Date/Time: 8/29/17	Other:
Relinquished by: (signature)	Date/Time: 8/29/17	
Received by: (signature)	Date/Time: 8/29/17	

Program Information

☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

NETAC 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

39 Spruce St.
East Longmeadow, MA. 01028
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www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False

Client Weston & 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 Tamed with? N/A
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified?
Are there Rushes? N/A Who was notified?
Are there Short Holds? N/A Who was notified?
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
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:
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.

September 14, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1675

Enclosed are results of analyses for samples received by the laboratory on September 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC13-SO-33	17H1675-01	Soil		SM 2540G SW-846 8082A	
WS-AOC13-SO-34	17H1675-02	Soil		SM 2540G SW-846 8082A	
WS-AOC13-SO-35	17H1675-03	Soil		SM 2540G SW-846 8082A	
WS-AOC13-SO-36	17H1675-04	Soil		SM 2540G SW-846 8082A	
WS-AOC13-SO-37	17H1675-05	Soil		SM 2540G SW-846 8082A	
WS-AOC13-SO-38	17H1675-06	Soil		SM 2540G SW-846 8082A	
WS-AOC13-SO-39	17H1675-07	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-17-0	17H1675-08	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-18-0	17H1675-09	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-19-0	17H1675-10	Soil		SM 2540G SW-846 8082A	
WS-AOC7-SO-20-0	17H1675-11	Soil		SM 2540G SW-846 8082A	
WS-AOC8-SO-3-0	17H1675-12	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-45-0	17H1675-13	Soil		SM 2540G SW-846 8082A	
WS-AOC8-SE-25	17H1675-14	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 7471B SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC10-SE-15	17H1675-15	Soil		SM 2540G SW-846 8082A	
Trip Blank	17H1675-16	Trip Blank Soil		SW-846 8260C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Equipment Blank-58	17H1675-17	Equipment Blank Water		CTDEP ETPH SW-846 6020A-B SW-846 7470A SW-846 8082A SW-846 8260C SW-846 8270D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 6010C-D

Qualifications:**DL-04**

Elevated reporting limit due to high concentration of an interfering analyte(s).

Analyte & Samples(s) Qualified:**Silver**

17H1675-14[WS-AOC8-SE-25]

Thallium

17H1675-14[WS-AOC8-SE-25]

SW-846 8082A

Qualifications:**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl**

17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

Decachlorobiphenyl [2C]

17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

Tetrachloro-m-xylene

17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

Tetrachloro-m-xylene [2C]

17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

SW-846 8260C

Qualifications:**L-01**

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

B185788-BS1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:**Tetrahydrofuran**

17H1675-14[WS-AOC8-SE-25], B185515-BLK1, B185515-BS1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

B185788-BS1

SW-846 8270D

Qualifications:**E**

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:**Fluoranthene**

17H1675-14[WS-AOC8-SE-25]

Pyrene

17H1675-14[WS-AOC8-SE-25]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**4-Chloroaniline**

17H1675-14[WS-AOC8-SE-25], 17H1675-14RE1[WS-AOC8-SE-25], B185658-BLK1, B185658-BS1, B185658-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.

Requested reporting limit not met.

Analyte & Samples(s) Qualified:**Bis(2-Ethylhexyl)phthalate**

17H1675-17[Equipment Blank-58]

Hexachlorobenzene

17H1675-17[Equipment Blank-58]

Pentachlorophenol

17H1675-17[Equipment Blank-58]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Hexachlorocyclopentadiene**

17H1675-17[Equipment Blank-58], B185658-BLK1, B185658-BS1, B185658-BSD1, B185689-BLK1, B185689-BS1, B185689-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:**Pentachloronitrobenzene**

17H1675-14[WS-AOC8-SE-25], 17H1675-17[Equipment Blank-58], B185658-BLK1, B185658-BS1, B185658-BSD1, B185689-BLK1, B185689-BS1, B185689-BSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-33

Sampled: 8/31/2017 10:00

Sample ID: 17H1675-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1260 [2]	0.17	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.6	30-150							
Decachlorobiphenyl [2]	94.9	30-150							
Tetrachloro-m-xylene [1]	86.5	30-150							
Tetrachloro-m-xylene [2]	89.6	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-33

Sampled: 8/31/2017 10:00

Sample ID: 17H1675-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-34

Sampled: 8/31/2017 10:10

Sample ID: 17H1675-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1260 [2]	0.24	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.6	30-150						9/13/17 17:27	
Decachlorobiphenyl [2]	89.8	30-150						9/13/17 17:27	
Tetrachloro-m-xylene [1]	81.9	30-150						9/13/17 17:27	
Tetrachloro-m-xylene [2]	85.4	30-150						9/13/17 17:27	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-34

Sampled: 8/31/2017 10:10

Sample ID: 17H1675-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-35

Sampled: 8/31/2017 10:20

Sample ID: 17H1675-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1260 [2]	0.21	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.9	30-150							
Decachlorobiphenyl [2]	94.1	30-150							
Tetrachloro-m-xylene [1]	86.5	30-150							
Tetrachloro-m-xylene [2]	88.4	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-35

Sampled: 8/31/2017 10:20

Sample ID: 17H1675-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-36

Sampled: 8/31/2017 10:30

Sample ID: 17H1675-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1260 [2]	0.61	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.7	30-150							
Decachlorobiphenyl [2]	96.6	30-150							
Tetrachloro-m-xylene [1]	87.8	30-150							
Tetrachloro-m-xylene [2]	91.9	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-36

Sampled: 8/31/2017 10:30

Sample ID: 17H1675-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-37

Sampled: 8/31/2017 10:40

Sample ID: 17H1675-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1221 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1232 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1242 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1248 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1254 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1260 [1]	6.2	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1262 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1268 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			9/14/17 5:10	
Decachlorobiphenyl [2]	*	30-150			S-01			9/14/17 5:10	
Tetrachloro-m-xylene [1]	*	30-150			S-01			9/14/17 5:10	
Tetrachloro-m-xylene [2]	*	30-150			S-01			9/14/17 5:10	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-37

Sampled: 8/31/2017 10:40

Sample ID: 17H1675-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-38

Sampled: 8/31/2017 10:50

Sample ID: 17H1675-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1260 [2]	0.32	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.0	30-150							
Decachlorobiphenyl [2]	83.5	30-150							
Tetrachloro-m-xylene [1]	83.8	30-150							
Tetrachloro-m-xylene [2]	84.2	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-38

Sampled: 8/31/2017 10:50

Sample ID: 17H1675-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-39

Sampled: 8/31/2017 11:00

Sample ID: 17H1675-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1260 [1]	0.14	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.6	30-150							
Decachlorobiphenyl [2]	98.1	30-150							
Tetrachloro-m-xylene [1]	89.4	30-150							
Tetrachloro-m-xylene [2]	92.5	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-39

Sampled: 8/31/2017 11:00

Sample ID: 17H1675-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-17-0

Sampled: 8/31/2017 11:10

Sample ID: 17H1675-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1260 [2]	0.096	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.4	30-150							
Decachlorobiphenyl [2]	64.1	30-150							
Tetrachloro-m-xylene [1]	61.4	30-150							
Tetrachloro-m-xylene [2]	63.0	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-17-0

Sampled: 8/31/2017 11:10

Sample ID: 17H1675-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-18-0

Sampled: 8/31/2017 11:15

Sample ID: 17H1675-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1260 [1]	0.86	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.7	30-150							
Decachlorobiphenyl [2]	72.6	30-150							
Tetrachloro-m-xylene [1]	64.7	30-150							
Tetrachloro-m-xylene [2]	66.6	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-18-0

Sampled: 8/31/2017 11:15

Sample ID: 17H1675-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-19-0

Sampled: 8/31/2017 11:20

Sample ID: 17H1675-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1260 [2]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.0	30-150							
Decachlorobiphenyl [2]	66.5	30-150							
Tetrachloro-m-xylene [1]	61.1	30-150							
Tetrachloro-m-xylene [2]	64.4	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-19-0

Sampled: 8/31/2017 11:20

Sample ID: 17H1675-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-20-0

Sampled: 8/31/2017 11:30

Sample ID: 17H1675-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	53.4	30-150							
Decachlorobiphenyl [2]	58.3	30-150							
Tetrachloro-m-xylene [1]	56.8	30-150							
Tetrachloro-m-xylene [2]	58.9	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-20-0

Sampled: 8/31/2017 11:30

Sample ID: 17H1675-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SO-3-0

Sampled: 8/31/2017 11:40

Sample ID: 17H1675-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1260 [2]	0.31	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	42.7	30-150						9/13/17 21:07	
Decachlorobiphenyl [2]	56.5	30-150						9/13/17 21:07	
Tetrachloro-m-xylene [1]	44.1	30-150						9/13/17 21:07	
Tetrachloro-m-xylene [2]	45.2	30-150						9/13/17 21:07	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SO-3-0

Sampled: 8/31/2017 11:40

Sample ID: 17H1675-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC9-SO-45-0

Sampled: 8/31/2017 12:00

Sample ID: 17H1675-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1260 [1]	0.27	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	63.2	30-150							
Decachlorobiphenyl [2]	69.9	30-150							
Tetrachloro-m-xylene [1]	64.3	30-150							
Tetrachloro-m-xylene [2]	66.1	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC9-SO-45-0

Sampled: 8/31/2017 12:00

Sample ID: 17H1675-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Acrylonitrile	ND	0.0066	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Butanone (MEK)	ND	0.044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Carbon Disulfide	ND	0.0066	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloroform	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Naphthalene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
m+p Xylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	104	70-130						9/5/17 14:37	
Toluene-d8	104	70-130						9/5/17 14:37	
4-Bromofluorobenzene	99.8	70-130						9/5/17 14:37	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Acenaphthene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Acenaphthylene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Aniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Aniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Anthracene	0.49	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Anthracene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(a)anthracene	2.4	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(a)anthracene	2.1	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(a)pyrene	1.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(a)pyrene	1.8	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(b)fluoranthene	2.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(b)fluoranthene	2.9	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(g,h,i)perylene	1.4	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(g,h,i)perylene	1.2	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(k)fluoranthene	1.0	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(k)fluoranthene	1.2	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroethoxy)methane	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroethyl)ether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroisopropyl)ether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Bromophenylphenylether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Butylbenzylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Butylbenzylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Carbazole	0.53	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Carbazole	0.49	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chloroaniline	ND	0.87	mg/Kg dry	1	L-04	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chloroaniline	ND	1.7	mg/Kg dry	2	L-04	SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chloro-3-methylphenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chloro-3-methylphenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Chloronaphthalene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Chlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chlorophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chlorophenylphenylether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Chrysene	2.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Chrysene	2.6	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	0.38	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dibenz(a,h)anthracene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dibenzofuran	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Di-n-butylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3,3-Dichlorobenzidine	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Diethylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dimethylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Dimethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dimethylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4,6-Dinitro-2-methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dinitrophenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dinitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dinitrotoluene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,6-Dinitrotoluene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Di-n-octylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Di-n-octylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Fluoranthene	7.5	0.22	mg/Kg dry	1	E	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Fluoranthene	6.3	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Fluorene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorobutadiene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorocyclopentadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorocyclopentadiene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachloroethane	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Indeno(1,2,3-cd)pyrene	1.5	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Indeno(1,2,3-cd)pyrene	1.3	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Isophorone	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Methylnaphthalene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3/4-Methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Naphthalene	0.23	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Naphthalene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Nitrobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Nitrophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Nitrophenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Nitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
N-Nitrosodiphenylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
N-Nitrosodiphenylamine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
N-Nitrosodi-n-propylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
N-Nitrosodi-n-propylamine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pentachloronitrobenzene	ND	0.45	mg/Kg dry	1	V-16	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pentachloronitrobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pentachlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Phenanthrene	4.1	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Phenanthrene	3.6	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Phenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pyrene	6.9	0.22	mg/Kg dry	1	E	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pyrene	5.1	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pyridine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pyridine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
1,2,4-Trichlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4,5-Trichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4,6-Trichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	46.8	30-130	

9/8/17 16:13

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol	39.8	30-130					9/11/17 16:08		
Phenol-d6	47.3	30-130					9/8/17 16:13		
Phenol-d6	41.7	30-130					9/11/17 16:08		
Nitrobenzene-d5	50.2	30-130					9/8/17 16:13		
Nitrobenzene-d5	46.1	30-130					9/11/17 16:08		
2-Fluorobiphenyl	50.5	30-130					9/8/17 16:13		
2-Fluorobiphenyl	48.4	30-130					9/11/17 16:08		
2,4,6-Tribromophenol	49.2	30-130					9/8/17 16:13		
2,4,6-Tribromophenol	44.8	30-130					9/11/17 16:08		
p-Terphenyl-d14	63.4	30-130					9/8/17 16:13		
p-Terphenyl-d14	49.9	30-130					9/11/17 16:08		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1254 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1260 [1]	2.4	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.6	30-150						9/14/17 5:27	
Decachlorobiphenyl [2]	78.4	30-150						9/14/17 5:27	
Tetrachloro-m-xylene [1]	64.7	30-150						9/14/17 5:27	
Tetrachloro-m-xylene [2]	65.6	30-150						9/14/17 5:27	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	600	66	mg/Kg dry	5		CTDEP ETPH	9/12/17	9/13/17 11:53	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	69.8		50-150					9/13/17 11:53	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	30	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Arsenic	39	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Barium	430	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Beryllium	ND	0.33	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Cadmium	3.9	0.33	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Chromium	100	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Copper	310	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Lead	1400	0.98	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Mercury	0.21	0.033	mg/Kg dry	1		SW-846 7471B	9/6/17	9/7/17 14:15	TJK
Nickel	180	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Selenium	ND	6.5	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Silver	ND	13	mg/Kg dry	20	DL-04	SW-846 6010C-D	9/6/17	9/8/17 13:18	QNW
Thallium	ND	65	mg/Kg dry	20	DL-04	SW-846 6010C-D	9/6/17	9/8/17 13:18	QNW
Vanadium	1400	1.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Zinc	1300	1.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25

Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.3		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC10-SE-15

Sampled: 8/31/2017 13:00

Sample ID: 17H1675-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1221 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1232 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1242 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1248 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1254 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1260 [2]	430	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1262 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1268 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			9/14/17 6:54	
Decachlorobiphenyl [2]	*	30-150			S-01			9/14/17 6:54	
Tetrachloro-m-xylene [1]	*	30-150			S-01			9/14/17 6:54	
Tetrachloro-m-xylene [2]	*	30-150			S-01			9/14/17 6:54	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC10-SE-15

Sampled: 8/31/2017 13:00

Sample ID: 17H1675-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.6		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Trip Blank

Sampled: 8/31/2017 00:00

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.18	0.10	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Trip Blank

Sampled: 8/31/2017 00:00

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.0	70-130						9/6/17 15:22	
Toluene-d8	93.7	70-130						9/6/17 15:22	
4-Bromofluorobenzene	88.7	70-130						9/6/17 15:22	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	117	70-130							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	96.4	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	42.3	15-110							
Phenol-d6	25.7	15-110							
Nitrobenzene-d5	70.2	30-130							
Nitrobenzene-d5	69.6	30-130							
2-Fluorobiphenyl	70.6	30-130							
2-Fluorobiphenyl	72.2	30-130							
2,4,6-Tribromophenol	82.1	15-110							
p-Terphenyl-d14	63.2	30-130							
p-Terphenyl-d14	90.0	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.2	30-150							
Decachlorobiphenyl [2]	60.4	30-150							
Tetrachloro-m-xylene [1]	76.8	30-150							
Tetrachloro-m-xylene [2]	75.7	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/7/17	9/12/17 19:15	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	88.8		50-150					9/12/17 19:15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58

Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/6/17	9/7/17 9:06	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data**Prep Method: SW-846 3546-CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185980	30.0	1.00	09/12/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185690	1000	1.00	09/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1675-01 [WS-AOC13-SO-33]	B185578	09/06/17
17H1675-02 [WS-AOC13-SO-34]	B185578	09/06/17
17H1675-03 [WS-AOC13-SO-35]	B185578	09/06/17
17H1675-04 [WS-AOC13-SO-36]	B185578	09/06/17
17H1675-05 [WS-AOC13-SO-37]	B185578	09/06/17
17H1675-06 [WS-AOC13-SO-38]	B185578	09/06/17
17H1675-07 [WS-AOC13-SO-39]	B185578	09/06/17
17H1675-08 [WS-AOC7-SO-17-0]	B185578	09/06/17
17H1675-09 [WS-AOC7-SO-18-0]	B185578	09/06/17
17H1675-10 [WS-AOC7-SO-19-0]	B185578	09/06/17
17H1675-11 [WS-AOC7-SO-20-0]	B185578	09/06/17
17H1675-12 [WS-AOC8-SO-3-0]	B185578	09/06/17
17H1675-13 [WS-AOC9-SO-45-0]	B185578	09/06/17
17H1675-14 [WS-AOC8-SE-25]	B185578	09/06/17
17H1675-15 [WS-AOC10-SE-15]	B185578	09/06/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185638	1.00	50.0	09/06/17

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185847	50.0	50.0	09/08/17

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185607	6.00	6.00	09/06/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185635	0.604	50.0	09/06/17

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-01 [WS-AOC13-SO-33]	B185858	10.3	10.0	09/08/17
17H1675-02 [WS-AOC13-SO-34]	B185858	10.4	10.0	09/08/17
17H1675-03 [WS-AOC13-SO-35]	B185858	10.3	10.0	09/08/17
17H1675-04 [WS-AOC13-SO-36]	B185858	10.4	10.0	09/08/17
17H1675-05 [WS-AOC13-SO-37]	B185858	10.2	10.0	09/08/17
17H1675-06 [WS-AOC13-SO-38]	B185858	10.0	10.0	09/08/17
17H1675-07 [WS-AOC13-SO-39]	B185858	10.0	10.0	09/08/17
17H1675-08 [WS-AOC7-SO-17-0]	B185858	10.0	10.0	09/08/17
17H1675-09 [WS-AOC7-SO-18-0]	B185858	10.3	10.0	09/08/17
17H1675-10 [WS-AOC7-SO-19-0]	B185858	10.4	10.0	09/08/17
17H1675-11 [WS-AOC7-SO-20-0]	B185858	10.1	10.0	09/08/17
17H1675-12 [WS-AOC8-SO-3-0]	B185858	10.0	10.0	09/08/17
17H1675-13 [WS-AOC9-SO-45-0]	B185858	10.1	10.0	09/08/17
17H1675-14 [WS-AOC8-SE-25]	B185858	10.1	10.0	09/08/17
17H1675-15 [WS-AOC10-SE-15]	B185858	10.3	10.0	09/08/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185770	950	9.00	09/07/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185515	5.92	10.0	09/05/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-16 [Trip Blank]	B185582	5.00	10.0	09/06/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185788	5	5.00	09/08/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17
17H1675-14RE1 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185689	1000	1.00	09/07/17

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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185949	1000	1.00	09/07/17

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185515 - SW-846 5035
Blank (B185515-BLK1)

Prepared & Analyzed: 09/05/17

Acetone	ND	0.10	mg/Kg wet
Acrylonitrile	ND	0.0060	mg/Kg wet
Benzene	ND	0.0020	mg/Kg wet
Bromobenzene	ND	0.0020	mg/Kg wet
Bromodichloromethane	ND	0.0020	mg/Kg wet
Bromoform	ND	0.0020	mg/Kg wet
Bromomethane	ND	0.010	mg/Kg wet
2-Butanone (MEK)	ND	0.040	mg/Kg wet
n-Butylbenzene	ND	0.0020	mg/Kg wet
sec-Butylbenzene	ND	0.0020	mg/Kg wet
tert-Butylbenzene	ND	0.0020	mg/Kg wet
Carbon Disulfide	ND	0.0060	mg/Kg wet
Carbon Tetrachloride	ND	0.0020	mg/Kg wet
Chlorobenzene	ND	0.0020	mg/Kg wet
Chlorodibromomethane	ND	0.0010	mg/Kg wet
Chloroethane	ND	0.020	mg/Kg wet
Chloroform	ND	0.0040	mg/Kg wet
Chloromethane	ND	0.010	mg/Kg wet
2-Chlorotoluene	ND	0.0020	mg/Kg wet
4-Chlorotoluene	ND	0.0020	mg/Kg wet
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet
Dibromomethane	ND	0.0020	mg/Kg wet
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet
1,1-Dichloroethane	ND	0.0020	mg/Kg wet
1,2-Dichloroethane	ND	0.0020	mg/Kg wet
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
1,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,3-Dichloropropane	ND	0.0010	mg/Kg wet
2,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,1-Dichloropropene	ND	0.0020	mg/Kg wet
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
Ethylbenzene	ND	0.0020	mg/Kg wet
Hexachlorobutadiene	ND	0.0020	mg/Kg wet
2-Hexanone (MBK)	ND	0.020	mg/Kg wet
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet
Methylene Chloride	ND	0.020	mg/Kg wet
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet
Naphthalene	ND	0.0040	mg/Kg wet
n-Propylbenzene	ND	0.0020	mg/Kg wet
Styrene	ND	0.0020	mg/Kg wet
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185515 - SW-846 5035
Blank (B185515-BLK1)

Prepared & Analyzed: 09/05/17

Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0582		mg/Kg wet	0.0500		116	70-130			
Surrogate: Toluene-d8	0.0530		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.0511		mg/Kg wet	0.0500		102	70-130			

LCS (B185515-BS1)

Prepared & Analyzed: 09/05/17

Acetone	0.197	0.10	mg/Kg wet	0.200		98.4	70-130			
Acrylonitrile	0.0233	0.0060	mg/Kg wet	0.0200		117	70-130			
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
Bromobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.5	70-130			
Bromodichloromethane	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
Bromomethane	0.0207	0.010	mg/Kg wet	0.0200		103	70-130			
2-Butanone (MEK)	0.225	0.040	mg/Kg wet	0.200		113	70-130			
n-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
sec-Butylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
Carbon Disulfide	0.229	0.0060	mg/Kg wet	0.200		114	70-130			
Carbon Tetrachloride	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130			
Chlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Chloroethane	0.0183	0.020	mg/Kg wet	0.0200		91.6	70-130			
Chloroform	0.0192	0.0040	mg/Kg wet	0.0200		95.9	70-130			
Chloromethane	0.0220	0.010	mg/Kg wet	0.0200		110	70-130			
2-Chlorotoluene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
4-Chlorotoluene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dibromoethane (EDB)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Dibromomethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,2-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
trans-1,4-Dichloro-2-butene	0.0189	0.0040	mg/Kg wet	0.0200		94.5	70-130			
Dichlorodifluoromethane (Freon 12)	0.0185	0.020	mg/Kg wet	0.0200		92.3	70-130			
1,1-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichloroethane	0.0235	0.0020	mg/Kg wet	0.0200		117	70-130			
1,1-Dichloroethylene	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185515 - SW-846 5035

LCS (B185515-BS1)

Prepared & Analyzed: 09/05/17

cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
trans-1,2-Dichloroethylene	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130			
1,2-Dichloropropane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,3-Dichloropropane	0.0191	0.0010	mg/Kg wet	0.0200		95.5	70-130			
2,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,1-Dichloropropene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
cis-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130			
trans-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
Ethylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
Hexachlorobutadiene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
2-Hexanone (MBK)	0.212	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		98.1	70-130			
Methylene Chloride	0.0228	0.020	mg/Kg wet	0.0200		114	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0173	0.0040	mg/Kg wet	0.0200		86.3	70-130			
n-Propylbenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130			
Styrene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
1,1,1,2-Tetrachloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		79.2	70-130			V-16
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
1,2,3-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,2,4-Trichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
1,1,1-Trichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,2-Trichloroethane	0.0180	0.0020	mg/Kg wet	0.0200		89.8	70-130			
Trichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
Trichlorofluoromethane (Freon 11)	0.0255	0.010	mg/Kg wet	0.0200		128	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0233	0.010	mg/Kg wet	0.0200		117	70-130			
1,2,4-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
Vinyl Chloride	0.0202	0.010	mg/Kg wet	0.0200		101	70-130			
m+p Xylene	0.0368	0.0040	mg/Kg wet	0.0400		92.0	70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0555		mg/Kg wet	0.0500		111	70-130			
Surrogate: Toluene-d8	0.0527		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0496		mg/Kg wet	0.0500		99.1	70-130			

Batch B185582 - SW-846 5035

Blank (B185582-BLK1)

Prepared & Analyzed: 09/06/17

Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185582 - SW-846 5035
Blank (B185582-BLK1)

Prepared & Analyzed: 09/06/17

n-Butylbenzene	ND	0.0020	mg/Kg wet
sec-Butylbenzene	ND	0.0020	mg/Kg wet
tert-Butylbenzene	ND	0.0020	mg/Kg wet
Carbon Disulfide	ND	0.0060	mg/Kg wet
Carbon Tetrachloride	ND	0.0020	mg/Kg wet
Chlorobenzene	ND	0.0020	mg/Kg wet
Chlorodibromomethane	ND	0.0010	mg/Kg wet
Chloroethane	ND	0.020	mg/Kg wet
Chloroform	ND	0.0040	mg/Kg wet
Chloromethane	ND	0.010	mg/Kg wet
2-Chlorotoluene	ND	0.0020	mg/Kg wet
4-Chlorotoluene	ND	0.0020	mg/Kg wet
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet
Dibromomethane	ND	0.0020	mg/Kg wet
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet
1,1-Dichloroethane	ND	0.0020	mg/Kg wet
1,2-Dichloroethane	ND	0.0020	mg/Kg wet
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
1,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,3-Dichloropropane	ND	0.0010	mg/Kg wet
2,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,1-Dichloropropene	ND	0.0020	mg/Kg wet
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
Ethylbenzene	ND	0.0020	mg/Kg wet
Hexachlorobutadiene	ND	0.0020	mg/Kg wet
2-Hexanone (MBK)	ND	0.020	mg/Kg wet
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet
Methylene Chloride	ND	0.020	mg/Kg wet
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet
Naphthalene	ND	0.0040	mg/Kg wet
n-Propylbenzene	ND	0.0020	mg/Kg wet
Styrene	ND	0.0020	mg/Kg wet
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet
Tetrachloroethylene	ND	0.0020	mg/Kg wet
Tetrahydrofuran	ND	0.010	mg/Kg wet
Toluene	ND	0.0020	mg/Kg wet
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet
Trichloroethylene	ND	0.0020	mg/Kg wet

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QUALITY CONTROL

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 B185582 - SW-846 5035										
Blank (B185582-BLK1)					Prepared & Analyzed: 09/06/17					
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0474		mg/Kg wet	0.0500		94.9	70-130			
Surrogate: Toluene-d8	0.0480		mg/Kg wet	0.0500		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.0457		mg/Kg wet	0.0500		91.3	70-130			
LCS (B185582-BS1)					Prepared & Analyzed: 09/06/17					
Acetone	0.136	0.10	mg/Kg wet	0.200		68.0 *	70-130			
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.3	70-130			
Benzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Bromobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Bromodichloromethane	0.0229	0.0020	mg/Kg wet	0.0200		114	70-130			
Bromoform	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Bromomethane	0.0232	0.010	mg/Kg wet	0.0200		116	70-130			
2-Butanone (MEK)	0.171	0.040	mg/Kg wet	0.200		85.5	70-130			
n-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130			
sec-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130			
tert-Butylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102	70-130			
Carbon Tetrachloride	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
Chlorobenzene	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Chloroethane	0.0202	0.020	mg/Kg wet	0.0200		101	70-130			
Chloroform	0.0208	0.0040	mg/Kg wet	0.0200		104	70-130			
Chloromethane	0.0197	0.010	mg/Kg wet	0.0200		98.7	70-130			
2-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130			
4-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130			
1,2-Dibromoethane (EDB)	0.0217	0.0010	mg/Kg wet	0.0200		108	70-130			
Dibromomethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,2-Dichlorobenzene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,3-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,4-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
trans-1,4-Dichloro-2-butene	0.0188	0.0040	mg/Kg wet	0.0200		93.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0212	0.020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
1,2-Dichloroethane	0.0229	0.0020	mg/Kg wet	0.0200		115	70-130			
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		99.5	70-130			
cis-1,2-Dichloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
trans-1,2-Dichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
1,3-Dichloropropane	0.0218	0.0010	mg/Kg wet	0.0200		109	70-130			
2,2-Dichloropropane	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130			
1,1-Dichloropropene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130			
cis-1,3-Dichloropropene	0.0215	0.0010	mg/Kg wet	0.0200		107	70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.6	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185582 - SW-846 5035
LCS (B185582-BS1)

Prepared & Analyzed: 09/06/17

Ethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
Hexachlorobutadiene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
2-Hexanone (MBK)	0.191	0.020	mg/Kg wet	0.200		95.7	70-130			
Isopropylbenzene (Cumene)	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0189	0.0040	mg/Kg wet	0.0200		94.4	70-130			
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		108	70-130			
4-Methyl-2-pentanone (MIBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Naphthalene	0.0165	0.0040	mg/Kg wet	0.0200		82.3	70-130			
n-Propylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Styrene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,1,1,2-Tetrachloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2,2-Tetrachloroethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Tetrachloroethylene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
Tetrahydrofuran	0.0201	0.010	mg/Kg wet	0.0200		101	70-130			
Toluene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,2,4-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,1,1-Trichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,1,2-Trichloroethane	0.0233	0.0020	mg/Kg wet	0.0200		116	70-130			
Trichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
Trichlorofluoromethane (Freon 11)	0.0222	0.010	mg/Kg wet	0.0200		111	70-130			
1,2,3-Trichloropropane	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0211	0.010	mg/Kg wet	0.0200		106	70-130			
1,2,4-Trimethylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,3,5-Trimethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		94.1	70-130			
m+p Xylene	0.0427	0.0040	mg/Kg wet	0.0400		107	70-130			
o-Xylene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0457		mg/Kg wet	0.0500		91.4	70-130			
Surrogate: Toluene-d8	0.0471		mg/Kg wet	0.0500		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0486		mg/Kg wet	0.0500		97.3	70-130			

Batch B185788 - SW-846 5030B
Blank (B185788-BLK1)

Prepared & Analyzed: 09/08/17

Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	5.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185788 - SW-846 5030B
Blank (B185788-BLK1)

Prepared & Analyzed: 09/08/17

Chloroform	ND	0.50	µg/L
Chloromethane	ND	0.60	µg/L
2-Chlorotoluene	ND	0.50	µg/L
4-Chlorotoluene	ND	0.50	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
Dibromomethane	ND	0.50	µg/L
1,2-Dichlorobenzene	ND	0.50	µg/L
1,3-Dichlorobenzene	ND	0.50	µg/L
1,4-Dichlorobenzene	ND	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L
1,1-Dichloroethane	ND	0.50	µg/L
1,2-Dichloroethane	ND	0.50	µg/L
1,1-Dichloroethylene	ND	0.50	µg/L
cis-1,2-Dichloroethylene	ND	0.50	µg/L
trans-1,2-Dichloroethylene	ND	1.0	µg/L
1,2-Dichloropropane	ND	0.50	µg/L
1,3-Dichloropropane	ND	0.50	µg/L
2,2-Dichloropropane	ND	0.50	µg/L
1,1-Dichloropropene	ND	0.50	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
Ethylbenzene	ND	0.50	µg/L
Hexachlorobutadiene	ND	0.60	µg/L
2-Hexanone (MBK)	ND	5.0	µg/L
Isopropylbenzene (Cumene)	ND	0.50	µg/L
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L
Methylene Chloride	ND	5.0	µg/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L
Naphthalene	ND	2.0	µg/L
n-Propylbenzene	ND	1.0	µg/L
Styrene	ND	1.0	µg/L
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L
Tetrachloroethylene	ND	1.0	µg/L
Tetrahydrofuran	ND	10	µg/L
Toluene	ND	1.0	µg/L
1,2,3-Trichlorobenzene	ND	2.0	µg/L
1,2,4-Trichlorobenzene	ND	1.0	µg/L
1,1,1-Trichloroethane	ND	0.50	µg/L
1,1,2-Trichloroethane	ND	0.50	µg/L
Trichloroethylene	ND	1.0	µg/L
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L
1,2,3-Trichloropropane	ND	0.50	µg/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L
1,2,4-Trimethylbenzene	ND	0.50	µg/L
1,3,5-Trimethylbenzene	ND	0.50	µg/L
Vinyl Chloride	ND	1.0	µg/L
m+p Xylene	ND	2.0	µg/L

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17						
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	29.6		µg/L	25.0		118	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			
LCS (B185788-BS1)				Prepared & Analyzed: 09/08/17						
Acetone	86.8	10	µg/L	100		86.8	70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102	70-130			
Benzene	11.0	0.50	µg/L	10.0		110	70-130			
Bromobenzene	10.3	0.50	µg/L	10.0		103	70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.0		116	70-130			
Bromoform	9.84	0.50	µg/L	10.0		98.4	70-130			
Bromomethane	11.7	5.0	µg/L	10.0		117	70-130			
2-Butanone (MEK)	95.2	5.0	µg/L	100		95.2	70-130			
n-Butylbenzene	11.6	1.0	µg/L	10.0		116	70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Carbon Disulfide	121	5.0	µg/L	100		121	70-130			
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125	70-130			
Chlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	9.80	0.50	µg/L	10.0		98.0	70-130			
Chloroform	11.6	0.50	µg/L	10.0		116	70-130			
Chloromethane	7.70	0.60	µg/L	10.0		77.0	70-130			
2-Chlorotoluene	10.9	0.50	µg/L	10.0		109	70-130			
4-Chlorotoluene	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.9	1.0	µg/L	10.0		119	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.0	0.50	µg/L	10.0		100	70-130			
trans-1,4-Dichloro-2-butene	10.0	2.0	µg/L	10.0		100	70-130			
Dichlorodifluoromethane (Freon 12)	11.9	0.50	µg/L	10.0		119	70-130			
1,1-Dichloroethane	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichloroethane	11.9	0.50	µg/L	10.0		119	70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108	70-130			
cis-1,2-Dichloroethylene	11.0	0.50	µg/L	10.0		110	70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
2,2-Dichloropropane	13.9	0.50	µg/L	10.0		139	* 70-130			L-01, V-20
1,1-Dichloropropene	11.8	0.50	µg/L	10.0		118	70-130			
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130			
trans-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117	70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106	70-130			
Hexachlorobutadiene	12.5	0.60	µg/L	10.0		125	70-130			
2-Hexanone (MBK)	99.6	5.0	µg/L	100		99.6	70-130			
Isopropylbenzene (Cumene)	10.4	0.50	µg/L	10.0		104	70-130			
p-Isopropyltoluene (p-Cymene)	11.3	0.50	µg/L	10.0		113	70-130			
Methyl tert-Butyl Ether (MTBE)	11.5	0.50	µg/L	10.0		115	70-130			
Methylene Chloride	9.44	5.0	µg/L	10.0		94.4	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
LCS (B185788-BS1)					Prepared & Analyzed: 09/08/17					
4-Methyl-2-pentanone (MIBK)	98.9	5.0	µg/L	100		98.9	70-130			
Naphthalene	9.28	2.0	µg/L	10.0		92.8	70-130			
n-Propylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	8.44	10	µg/L	10.0		84.4	70-130			
Toluene	10.9	1.0	µg/L	10.0		109	70-130			
1,2,3-Trichlorobenzene	10.6	2.0	µg/L	10.0		106	70-130			
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124	70-130			
1,1,2-Trichloroethane	10.7	0.50	µg/L	10.0		107	70-130			
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130			
1,2,3-Trichloropropane	11.6	0.50	µg/L	10.0		116	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	0.50	µg/L	10.0		112	70-130			
1,2,4-Trimethylbenzene	10.9	0.50	µg/L	10.0		109	70-130			
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Vinyl Chloride	9.03	1.0	µg/L	10.0		90.3	70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	28.8		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	4.34		mg/Kg wet	6.67		65.2	30-130			
Surrogate: Phenol-d6	4.66		mg/Kg wet	6.67		69.9	30-130			
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		68.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.41		mg/Kg wet	3.33		72.4	30-130			
Surrogate: 2,4,6-Tribromophenol	7.14		mg/Kg wet	6.67		107	30-130			
Surrogate: p-Terphenyl-d14	3.28		mg/Kg wet	3.33		98.5	30-130			
LCS (B185658-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140			
Aniline	0.727	0.34	mg/Kg wet	1.67		43.6	40-140			†
Anthracene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Benzo(a)pyrene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140			
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.0	40-140			
Bis(2-chloroethyl)ether	1.08	0.34	mg/Kg wet	1.67		64.8	40-140			
Bis(2-chloroisopropyl)ether	1.18	0.34	mg/Kg wet	1.67		70.9	40-140			
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		71.0	40-140			
4-Bromophenylphenylether	1.34	0.34	mg/Kg wet	1.67		80.1	40-140			
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		74.0	40-140			
Carbazole	1.11	0.17	mg/Kg wet	1.67		66.8	40-140			
4-Chloroaniline	0.586	0.66	mg/Kg wet	1.67		35.2	* 40-140			L-04 †
4-Chloro-3-methylphenol	1.25	0.66	mg/Kg wet	1.67		75.2	30-130			
2-Chloronaphthalene	1.13	0.34	mg/Kg wet	1.67		68.0	40-140			
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3	30-130			
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.7	40-140			
Chrysene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Dibenz(a,h)anthracene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140			
Dibenzofuran	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		68.9	40-140			
3,3-Dichlorobenzidine	1.19	0.17	mg/Kg wet	1.67		71.3	40-140			†
2,4-Dichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.8	30-130			
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.7	40-140			
2,4-Dimethylphenol	1.22	0.34	mg/Kg wet	1.67		73.3	30-130			
Dimethylphthalate	1.26	0.34	mg/Kg wet	1.67		75.5	40-140			
4,6-Dinitro-2-methylphenol	0.841	0.34	mg/Kg wet	1.67		50.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
LCS (B185658-BS1)										
Prepared: 09/06/17 Analyzed: 09/07/17										
2,4-Dinitrophenol	0.627	0.66	mg/Kg wet	1.67		37.6	30-130			
2,4-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.4	40-140			
2,6-Dinitrotoluene	1.33	0.34	mg/Kg wet	1.67		80.0	40-140			
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.3	40-140			
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Fluorene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Hexachlorobenzene	1.43	0.34	mg/Kg wet	1.67		85.9	40-140			
Hexachlorobutadiene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140			
Hexachlorocyclopentadiene	0.821	0.34	mg/Kg wet	1.67		49.3	30-140			V-05
Hexachloroethane	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.8	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140			
2-Methylphenol	1.07	0.34	mg/Kg wet	1.67		64.3	30-130			
3/4-Methylphenol	1.17	0.34	mg/Kg wet	1.67		70.3	30-130			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.6	40-140			
3-Nitroaniline	1.02	0.34	mg/Kg wet	1.67		61.1	40-140			†
4-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		72.2	40-140			
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140			
2-Nitrophenol	1.14	0.34	mg/Kg wet	1.67		68.5	30-130			
4-Nitrophenol	1.66	0.66	mg/Kg wet	1.67		99.4	10-130			
N-Nitrosodiphenylamine	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
N-Nitrosodi-n-propylamine	1.21	0.34	mg/Kg wet	1.67		72.7	40-140			
Pentachloronitrobenzene	1.43	0.34	mg/Kg wet	1.67		85.7	40-140			V-16
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.67		60.3	30-130			
Phenanthrene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140			
Phenol	1.21	0.34	mg/Kg wet	1.67		72.6	20-130			
Pyrene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Pyridine	0.665	0.34	mg/Kg wet	1.67		39.9	10-140			†
1,2,4,5-Tetrachlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.9	40-140			
1,2,4-Trichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.6	40-140			
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.1	30-130			
2,4,6-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.9	30-130			
Surrogate: 2-Fluorophenol	5.00		mg/Kg wet	6.67		75.1	30-130			
Surrogate: Phenol-d6	5.23		mg/Kg wet	6.67		78.4	30-130			
Surrogate: Nitrobenzene-d5	2.56		mg/Kg wet	3.33		76.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.61		mg/Kg wet	3.33		78.4	30-130			
Surrogate: 2,4,6-Tribromophenol	7.30		mg/Kg wet	6.67		110	30-130			
Surrogate: p-Terphenyl-d14	2.92		mg/Kg wet	3.33		87.5	30-130			
LCS Dup (B185658-BS1)										
Prepared: 09/06/17 Analyzed: 09/07/17										
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140	1.16	30	
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	0.190	30	
Aniline	0.714	0.34	mg/Kg wet	1.67		42.8	40-140	1.90	50	† ‡
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	3.36	30	
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.4	40-140	2.08	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	1.76	30	
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	0.993	30	
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	0.0335	30	
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	0.352	30	
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.2	40-140	0.293	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
LCS Dup (B185658-BSD1)					Prepared: 09/06/17 Analyzed: 09/07/17					
Bis(2-chloroethyl)ether	1.14	0.34	mg/Kg wet	1.67		68.1	40-140	5.03	30	
Bis(2-chloroisopropyl)ether	1.21	0.34	mg/Kg wet	1.67		72.5	40-140	2.29	30	
Bis(2-Ethylhexyl)phthalate	1.19	0.34	mg/Kg wet	1.67		71.2	40-140	0.309	30	
4-Bromophenylphenylether	1.30	0.34	mg/Kg wet	1.67		78.3	40-140	2.35	30	
Butylbenzylphthalate	1.22	0.34	mg/Kg wet	1.67		73.0	40-140	1.31	30	
Carbazole	1.08	0.17	mg/Kg wet	1.67		64.6	40-140	3.41	30	
4-Chloroaniline	0.576	0.66	mg/Kg wet	1.67		34.5	* 40-140	1.84	30	L-04 †
4-Chloro-3-methylphenol	1.24	0.66	mg/Kg wet	1.67		74.5	30-130	0.935	30	
2-Chloronaphthalene	1.12	0.34	mg/Kg wet	1.67		67.3	40-140	1.00	30	
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.4	30-130	0.117	30	
4-Chlorophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.0	40-140	5.02	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	1.35	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140	7.36	30	
Dibenzofuran	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	0.483	30	
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	0.203	30	
3,3-Dichlorobenzidine	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	6.38	30	† ‡
2,4-Dichlorophenol	1.25	0.34	mg/Kg wet	1.67		75.2	30-130	0.742	30	
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.4	40-140	0.456	30	
2,4-Dimethylphenol	1.19	0.34	mg/Kg wet	1.67		71.2	30-130	2.88	30	
Dimethylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5	40-140	2.71	50	
4,6-Dinitro-2-methylphenol	0.802	0.34	mg/Kg wet	1.67		48.1	30-130	4.71	50	
2,4-Dinitrophenol	0.583	0.66	mg/Kg wet	1.67		35.0	30-130	7.22	50	
2,4-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		77.0	40-140	3.07	30	
2,6-Dinitrotoluene	1.31	0.34	mg/Kg wet	1.67		78.9	40-140	1.36	30	
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.5	40-140	0.275	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	1.64	30	
Fluorene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	2.29	30	
Hexachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.4	40-140	2.91	30	
Hexachlorobutadiene	1.21	0.34	mg/Kg wet	1.67		72.4	40-140	1.25	30	
Hexachlorocyclopentadiene	0.828	0.34	mg/Kg wet	1.67		49.7	30-140	0.809	50	V-05
Hexachloroethane	1.08	0.34	mg/Kg wet	1.67		64.9	40-140	1.99	50	
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	0.384	50	
Isophorone	1.28	0.34	mg/Kg wet	1.67		77.1	40-140	0.390	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140	1.83	30	
2-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.9	30-130	2.55	30	
3/4-Methylphenol	1.20	0.34	mg/Kg wet	1.67		71.8	30-130	2.17	30	
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	1.35	30	
2-Nitroaniline	1.31	0.34	mg/Kg wet	1.67		78.5	40-140	2.59	30	
3-Nitroaniline	0.939	0.34	mg/Kg wet	1.67		56.4	40-140	8.01	30	†
4-Nitroaniline	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	4.50	30	
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.2	40-140	0.336	30	
2-Nitrophenol	1.17	0.34	mg/Kg wet	1.67		70.4	30-130	2.62	30	
4-Nitrophenol	1.60	0.66	mg/Kg wet	1.67		96.0	10-130	3.44	50	‡
N-Nitrosodiphenylamine	1.44	0.34	mg/Kg wet	1.67		86.4	40-140	3.50	30	
N-Nitrosodi-n-propylamine	1.23	0.34	mg/Kg wet	1.67		74.0	40-140	1.85	30	
Pentachloronitrobenzene	1.40	0.34	mg/Kg wet	1.67		84.1	40-140	1.91	30	V-16
Pentachlorophenol	0.967	0.34	mg/Kg wet	1.67		58.0	30-130	3.86	50	
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140	3.81	30	
Phenol	1.21	0.34	mg/Kg wet	1.67		72.5	20-130	0.0827	30	
Pyrene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	2.66	30	
Pyridine	0.657	0.34	mg/Kg wet	1.67		39.4	10-140	1.16	50	†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9	40-140	2.88	30	

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QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185658 - SW-846 3546
LCS Dup (B185658-BSD1)

Prepared: 09/06/17 Analyzed: 09/07/17

1,2,4-Trichlorobenzene	1.22	0.34	mg/Kg wet	1.67		73.2	40-140	0.823	30	
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.4	30-130	0.323	30	
2,4,6-Trichlorophenol	1.20	0.34	mg/Kg wet	1.67		72.2	30-130	2.33	50	
Surrogate: 2-Fluorophenol	5.14		mg/Kg wet	6.67		77.1	30-130			
Surrogate: Phenol-d6	5.30		mg/Kg wet	6.67		79.5	30-130			
Surrogate: Nitrobenzene-d5	2.67		mg/Kg wet	3.33		80.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.67		mg/Kg wet	3.33		80.0	30-130			
Surrogate: 2,4,6-Tribromophenol	7.25		mg/Kg wet	6.67		109	30-130			
Surrogate: p-Terphenyl-d14	2.90		mg/Kg wet	3.33		87.1	30-130			

Batch B185689 - SW-846 3510C
Blank (B185689-BLK1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185689 - SW-846 3510C										
Blank (B185689-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	84.5		µg/L	200		42.3	15-110			
Surrogate: Phenol-d6	52.2		µg/L	200		26.1	15-110			
Surrogate: Nitrobenzene-d5	71.0		µg/L	100		71.0	30-130			
Surrogate: 2-Fluorobiphenyl	70.4		µg/L	100		70.4	30-130			
Surrogate: 2,4,6-Tribromophenol	161		µg/L	200		80.7	15-110			
Surrogate: p-Terphenyl-d14	87.1		µg/L	100		87.1	30-130			
LCS (B185689-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aniline	57.9	5.0	µg/L	100		57.9	40-140			†
Bis(2-chloroethoxy)methane	69.3	10	µg/L	100		69.3	40-140			
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140			
Bis(2-chloroisopropyl)ether	60.8	10	µg/L	100		60.8	40-140			
Bis(2-Ethylhexyl)phthalate	86.7	10	µg/L	100		86.7	40-140			
4-Bromophenylphenylether	74.9	10	µg/L	100		74.9	40-140			
Butylbenzylphthalate	80.6	10	µg/L	100		80.6	40-140			
Carbazole	72.6	10	µg/L	100		72.6	40-140			
4-Chloroaniline	71.6	10	µg/L	100		71.6	40-140			†
4-Chloro-3-methylphenol	74.0	10	µg/L	100		74.0	30-130			
2-Chloronaphthalene	58.8	10	µg/L	100		58.8	40-140			
2-Chlorophenol	61.9	10	µg/L	100		61.9	30-130			
4-Chlorophenylphenylether	71.4	10	µg/L	100		71.4	40-140			
Dibenzofuran	66.8	5.0	µg/L	100		66.8	40-140			
Di-n-butylphthalate	83.9	10	µg/L	100		83.9	40-140			
3,3-Dichlorobenzidine	118	10	µg/L	100		118	40-140			†
2,4-Dichlorophenol	70.3	10	µg/L	100		70.3	30-130			
Diethylphthalate	75.5	10	µg/L	100		75.5	40-140			
2,4-Dimethylphenol	76.5	10	µg/L	100		76.5	30-130			
Dimethylphthalate	71.1	10	µg/L	100		71.1	40-140			
4,6-Dinitro-2-methylphenol	66.0	10	µg/L	100		66.0	30-130			
2,4-Dinitrophenol	52.7	10	µg/L	100		52.7	30-130			
2,4-Dinitrotoluene	66.5	10	µg/L	100		66.5	40-140			
2,6-Dinitrotoluene	69.4	10	µg/L	100		69.4	40-140			
Di-n-octylphthalate	79.3	10	µg/L	100		79.3	40-140			
Hexachlorobenzene	71.4	10	µg/L	100		71.4	40-140			
Hexachlorobutadiene	80.0	10	µg/L	100		80.0	40-140			
Hexachlorocyclopentadiene	42.9	10	µg/L	100		42.9	30-140			V-05
Hexachloroethane	67.8	10	µg/L	100		67.8	40-140			
Isophorone	71.9	10	µg/L	100		71.9	40-140			
2-Methylphenol	51.3	10	µg/L	100		51.3	30-130			
3/4-Methylphenol	52.7	10	µg/L	100		52.7	30-130			
2-Nitroaniline	72.9	10	µg/L	100		72.9	40-140			
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140			†
4-Nitroaniline	70.0	10	µg/L	100		70.0	40-140			
Nitrobenzene	68.8	10	µg/L	100		68.8	40-140			

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QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185689 - SW-846 3510C										
LCS (B185689-BS1)										
Prepared: 09/07/17 Analyzed: 09/08/17										
2-Nitrophenol	69.3	10	µg/L	100		69.3	30-130			
4-Nitrophenol	37.7	10	µg/L	100		37.7	10-130			
N-Nitrosodiphenylamine	92.0	10	µg/L	100		92.0	40-140			
N-Nitrosodi-n-propylamine	66.6	10	µg/L	100		66.6	40-140			
Pentachloronitrobenzene	80.9	10	µg/L	100		80.9	40-140			V-16
Pentachlorophenol	54.8	10	µg/L	100		54.8	30-130			
Phenol	27.5	10	µg/L	100		27.5	20-130			
Pyridine	25.4	5.0	µg/L	100		25.4	10-140			†
1,2,4,5-Tetrachlorobenzene	72.1	10	µg/L	100		72.1	40-140			
1,2,4-Trichlorobenzene	67.1	5.0	µg/L	100		67.1	40-140			
2,4,5-Trichlorophenol	65.6	10	µg/L	100		65.6	30-130			
2,4,6-Trichlorophenol	70.0	10	µg/L	100		70.0	30-130			
Surrogate: 2-Fluorophenol	95.9		µg/L	200		48.0	15-110			
Surrogate: Phenol-d6	65.7		µg/L	200		32.8	15-110			
Surrogate: Nitrobenzene-d5	80.3		µg/L	100		80.3	30-130			
Surrogate: 2-Fluorobiphenyl	74.7		µg/L	100		74.7	30-130			
Surrogate: 2,4,6-Tribromophenol	163		µg/L	200		81.6	15-110			
Surrogate: p-Terphenyl-d14	80.2		µg/L	100		80.2	30-130			
LCS Dup (B185689-BSD1)										
Prepared: 09/07/17 Analyzed: 09/08/17										
Aniline	58.7	5.0	µg/L	100		58.7	40-140	1.42	50	† ‡
Bis(2-chloroethoxy)methane	68.3	10	µg/L	100		68.3	40-140	1.48	20	
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140	0.0296	20	
Bis(2-chloroisopropyl)ether	60.5	10	µg/L	100		60.5	40-140	0.429	20	
Bis(2-Ethylhexyl)phthalate	84.7	10	µg/L	100		84.7	40-140	2.30	20	
4-Bromophenylphenylether	73.2	10	µg/L	100		73.2	40-140	2.19	20	
Butylbenzylphthalate	78.8	10	µg/L	100		78.8	40-140	2.17	20	
Carbazole	70.4	10	µg/L	100		70.4	40-140	3.08	20	
4-Chloroaniline	73.1	10	µg/L	100		73.1	40-140	2.06	20	†
4-Chloro-3-methylphenol	72.8	10	µg/L	100		72.8	30-130	1.68	20	
2-Chloronaphthalene	59.2	10	µg/L	100		59.2	40-140	0.695	20	
2-Chlorophenol	59.5	10	µg/L	100		59.5	30-130	4.07	20	
4-Chlorophenylphenylether	69.3	10	µg/L	100		69.3	40-140	3.06	20	
Dibenzofuran	65.6	5.0	µg/L	100		65.6	40-140	1.81	20	
Di-n-butylphthalate	83.5	10	µg/L	100		83.5	40-140	0.394	20	
3,3-Dichlorobenzidine	114	10	µg/L	100		114	40-140	3.84	20	† ‡
2,4-Dichlorophenol	68.6	10	µg/L	100		68.6	30-130	2.39	20	
Diethylphthalate	76.1	10	µg/L	100		76.1	40-140	0.818	20	
2,4-Dimethylphenol	74.3	10	µg/L	100		74.3	30-130	2.82	20	
Dimethylphthalate	69.3	10	µg/L	100		69.3	40-140	2.55	50	
4,6-Dinitro-2-methylphenol	65.0	10	µg/L	100		65.0	30-130	1.50	50	
2,4-Dinitrophenol	51.3	10	µg/L	100		51.3	30-130	2.69	50	
2,4-Dinitrotoluene	65.2	10	µg/L	100		65.2	40-140	1.94	20	
2,6-Dinitrotoluene	68.0	10	µg/L	100		68.0	40-140	2.12	20	
Di-n-octylphthalate	78.0	10	µg/L	100		78.0	40-140	1.58	20	
Hexachlorobenzene	70.8	10	µg/L	100		70.8	40-140	0.774	20	
Hexachlorobutadiene	75.9	10	µg/L	100		75.9	40-140	5.28	20	
Hexachlorocyclopentadiene	39.5	10	µg/L	100		39.5	30-140	8.15	50	V-05
Hexachloroethane	65.4	10	µg/L	100		65.4	40-140	3.48	50	
Isophorone	71.4	10	µg/L	100		71.4	40-140	0.726	20	
2-Methylphenol	49.9	10	µg/L	100		49.9	30-130	2.63	20	
3/4-Methylphenol	50.9	10	µg/L	100		50.9	30-130	3.55	20	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185689 - SW-846 3510C

LCS Dup (B185689-BSD1)

Prepared: 09/07/17 Analyzed: 09/08/17

2-Nitroaniline	72.3	10	µg/L	100		72.3	40-140	0.771	20	
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140	0.0310	20	†
4-Nitroaniline	69.5	10	µg/L	100		69.5	40-140	0.702	20	
Nitrobenzene	68.1	10	µg/L	100		68.1	40-140	0.950	20	
2-Nitrophenol	62.5	10	µg/L	100		62.5	30-130	10.3	20	
4-Nitrophenol	35.6	10	µg/L	100		35.6	10-130	5.81	50	‡
N-Nitrosodiphenylamine	91.1	10	µg/L	100		91.1	40-140	0.929	20	
N-Nitrosodi-n-propylamine	65.6	10	µg/L	100		65.6	40-140	1.39	20	
Pentachloronitrobenzene	78.5	10	µg/L	100		78.5	40-140	3.01	20	V-16
Pentachlorophenol	50.6	10	µg/L	100		50.6	30-130	7.97	50	
Phenol	28.5	10	µg/L	100		28.5	20-130	3.46	20	
Pyridine	26.9	5.0	µg/L	100		26.9	10-140	5.85	50	†
1,2,4,5-Tetrachlorobenzene	69.0	10	µg/L	100		69.0	40-140	4.36	20	
1,2,4-Trichlorobenzene	65.3	5.0	µg/L	100		65.3	40-140	2.73	20	
2,4,5-Trichlorophenol	64.4	10	µg/L	100		64.4	30-130	1.86	20	
2,4,6-Trichlorophenol	67.4	10	µg/L	100		67.4	30-130	3.81	50	
Surrogate: 2-Fluorophenol	90.3		µg/L	200		45.1	15-110			
Surrogate: Phenol-d6	60.6		µg/L	200		30.3	15-110			
Surrogate: Nitrobenzene-d5	78.6		µg/L	100		78.6	30-130			
Surrogate: 2-Fluorobiphenyl	70.5		µg/L	100		70.5	30-130			
Surrogate: 2,4,6-Tribromophenol	156		µg/L	200		77.8	15-110			
Surrogate: p-Terphenyl-d14	77.5		µg/L	100		77.5	30-130			

Batch B185949 - SW-846 3510C

Blank (B185949-BLK1)

Prepared: 09/07/17 Analyzed: 09/11/17

Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	80.4		µg/L	100		80.4	30-130			
Surrogate: 2-Fluorobiphenyl	79.4		µg/L	100		79.4	30-130			
Surrogate: p-Terphenyl-d14	67.6		µg/L	100		67.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185949 - SW-846 3510C

LCS (B185949-BS1)

Prepared: 09/07/17 Analyzed: 09/11/17

Acenaphthene (SIM)	80.8	7.5	µg/L	100		80.8	40-140			
Acenaphthylene (SIM)	78.7	7.5	µg/L	100		78.7	40-140			
Anthracene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
Benzo(a)anthracene (SIM)	82.6	1.2	µg/L	100		82.6	40-140			
Benzo(a)pyrene (SIM)	90.1	2.5	µg/L	100		90.1	40-140			
Benzo(b)fluoranthene (SIM)	90.1	1.2	µg/L	100		90.1	40-140			
Benzo(g,h,i)perylene (SIM)	83.4	12	µg/L	100		83.4	40-140			
Benzo(k)fluoranthene (SIM)	86.8	5.0	µg/L	100		86.8	40-140			
Chrysene (SIM)	81.9	5.0	µg/L	100		81.9	40-140			
Dibenz(a,h)anthracene (SIM)	85.3	5.0	µg/L	100		85.3	40-140			
Fluoranthene (SIM)	85.0	12	µg/L	100		85.0	40-140			
Fluorene (SIM)	83.5	25	µg/L	100		83.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
2-Methylnaphthalene (SIM)	77.6	25	µg/L	100		77.6	40-140			
Naphthalene (SIM)	74.3	25	µg/L	100		74.3	40-140			
Phenanthrene (SIM)	81.7	1.2	µg/L	100		81.7	40-140			
Pyrene (SIM)	80.8	25	µg/L	100		80.8	40-140			
Surrogate: Nitrobenzene-d5	87.8		µg/L	100		87.8	30-130			
Surrogate: 2-Fluorobiphenyl	91.0		µg/L	100		91.0	30-130			
Surrogate: p-Terphenyl-d14	77.4		µg/L	100		77.4	30-130			

LCS Dup (B185949-BS1)

Prepared: 09/07/17 Analyzed: 09/11/17

Acenaphthene (SIM)	85.0	7.5	µg/L	100		85.0	40-140	4.95	20	
Acenaphthylene (SIM)	82.4	7.5	µg/L	100		82.4	40-140	4.56	20	
Anthracene (SIM)	88.3	5.0	µg/L	100		88.3	40-140	4.02	20	
Benzo(a)anthracene (SIM)	86.1	1.2	µg/L	100		86.1	40-140	4.12	20	
Benzo(a)pyrene (SIM)	94.3	2.5	µg/L	100		94.3	40-140	4.50	20	
Benzo(b)fluoranthene (SIM)	93.6	1.2	µg/L	100		93.6	40-140	3.78	20	
Benzo(g,h,i)perylene (SIM)	88.5	12	µg/L	100		88.5	40-140	5.87	20	
Benzo(k)fluoranthene (SIM)	90.4	5.0	µg/L	100		90.4	40-140	4.01	20	
Chrysene (SIM)	86.0	5.0	µg/L	100		86.0	40-140	4.80	20	
Dibenz(a,h)anthracene (SIM)	90.9	5.0	µg/L	100		90.9	40-140	6.38	20	
Fluoranthene (SIM)	89.0	12	µg/L	100		89.0	40-140	4.62	20	
Fluorene (SIM)	87.9	25	µg/L	100		87.9	40-140	5.19	20	
Indeno(1,2,3-cd)pyrene (SIM)	90.3	5.0	µg/L	100		90.3	40-140	6.20	20	‡
2-Methylnaphthalene (SIM)	81.5	25	µg/L	100		81.5	40-140	4.93	20	
Naphthalene (SIM)	77.7	25	µg/L	100		77.7	40-140	4.54	20	
Phenanthrene (SIM)	84.3	1.2	µg/L	100		84.3	40-140	3.10	20	
Pyrene (SIM)	84.4	25	µg/L	100		84.4	40-140	4.30	20	
Surrogate: Nitrobenzene-d5	85.6		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	89.8		µg/L	100		89.8	30-130			
Surrogate: p-Terphenyl-d14	71.8		µg/L	100		71.8	30-130			

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QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185770 - SW-846 3510C
Blank (B185770-BLK1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	2.07		µg/L	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.21		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	1.91		µg/L	2.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.86		µg/L	2.00		93.0	30-150			

LCS (B185770-BS1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aroclor-1016	0.49	0.20	µg/L	0.500		97.3	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1260	0.49	0.20	µg/L	0.500		98.3	40-140			
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		95.4	40-140			
Surrogate: Decachlorobiphenyl	1.95		µg/L	2.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.09		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	1.82		µg/L	2.00		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.80		µg/L	2.00		89.9	30-150			

LCS Dup (B185770-BSD1)

Prepared: 09/07/17 Analyzed: 09/08/17

Aroclor-1016	0.52	0.20	µg/L	0.500		103	40-140	6.09	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		111	40-140	2.48	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		99.5	40-140	1.25	20	
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.8	40-140	1.49	20	
Surrogate: Decachlorobiphenyl	2.03		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.20		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	1.91		µg/L	2.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.89		µg/L	2.00		94.7	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185858 - SW-846 3540C
Blank (B185858-BLK1)

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		95.8	30-150			

LCS (B185858-BS1)

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.7	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.8	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.2	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.8	40-140			
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.0	30-150			

LCS Dup (B185858-BSD1)

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.2	40-140	2.73	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	2.79	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	1.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.0	40-140	1.51	30	
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185858 - SW-846 3540C

Matrix Spike (B185858-MS1)

Source: 17H1675-01

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.24	0.087	mg/Kg dry	0.217	ND	109	40-140			
Aroclor-1016 [2C]	0.23	0.087	mg/Kg dry	0.217	ND	107	40-140			
Aroclor-1260	0.41	0.087	mg/Kg dry	0.217	0.16	116	40-140			
Aroclor-1260 [2C]	0.39	0.087	mg/Kg dry	0.217	0.17	103	40-140			
Surrogate: Decachlorobiphenyl	0.197		mg/Kg dry	0.217		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg dry	0.217		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.207		mg/Kg dry	0.217		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.212		mg/Kg dry	0.217		98.0	30-150			

Matrix Spike Dup (B185858-MSD1)

Source: 17H1675-01

Prepared: 09/08/17 Analyzed: 09/13/17

Aroclor-1016	0.24	0.088	mg/Kg dry	0.219	ND	109	40-140	0.804	50	
Aroclor-1016 [2C]	0.23	0.088	mg/Kg dry	0.219	ND	106	40-140	0.00359	50	
Aroclor-1260	0.38	0.088	mg/Kg dry	0.219	0.16	101	40-140	7.97	50	
Aroclor-1260 [2C]	0.37	0.088	mg/Kg dry	0.219	0.17	90.6	40-140	6.48	50	
Surrogate: Decachlorobiphenyl	0.198		mg/Kg dry	0.219		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg dry	0.219		99.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.199		mg/Kg dry	0.219		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.207		mg/Kg dry	0.219		94.6	30-150			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185690 - SW-846 3510C										
Blank (B185690-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0970		mg/L	0.100		97.0	50-150			
LCS (B185690-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.772	0.075	mg/L	1.00		77.2	60-120			
Surrogate: o-Terphenyl	0.0991		mg/L	0.100		99.1	50-150			
LCS Dup (B185690-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.750	0.075	mg/L	1.00		75.0	60-120	2.84	30	
Surrogate: o-Terphenyl	0.0956		mg/L	0.100		95.6	50-150			
Batch B185980 - SW-846 3546										
Blank (B185980-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B185980-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	25.2	10	mg/Kg wet	33.3		75.5	60-120			
Surrogate: o-Terphenyl	3.35		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185980-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	23.7	10	mg/Kg wet	33.3		71.1	60-120	5.91	30	
Surrogate: o-Terphenyl	3.16		mg/Kg wet	3.33		94.7	50-150			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185607 - SW-846 7470A Prep										
Blank (B185607-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.00010	mg/L							
LCS (B185607-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00173	0.00010	mg/L	0.00200		86.4	80-120			
LCS Dup (B185607-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00161	0.00010	mg/L	0.00200		80.6	80-120	6.90	20	
Batch B185635 - SW-846 7471										
Blank (B185635-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185635-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.2	1.9	mg/Kg wet	9.36		109	73.7-126.3			
LCS Dup (B185635-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.3	1.9	mg/Kg wet	9.36		110	73.7-126.3	0.571	30	
Batch B185638 - SW-846 3050B										
Blank (B185638-BLK1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185638-BS1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	59.9	5.1	mg/Kg wet	146		41.0	0-210.3			
Arsenic	143	5.1	mg/Kg wet	157		90.9	77.8-122.1			
Barium	316	5.1	mg/Kg wet	339		93.3	82-117.4			
Beryllium	55.8	0.51	mg/Kg wet	58.3		95.8	82.3-117.7			
Cadmium	188	0.51	mg/Kg wet	216		86.9	81.9-118.2			
Chromium	84.5	1.0	mg/Kg wet	88.9		95.1	78.7-120.6			
Copper	183	1.0	mg/Kg wet	184		99.6	80.4-119.6			
Lead	91.0	1.5	mg/Kg wet	94.3		96.4	82.4-117.8			
Nickel	137	1.0	mg/Kg wet	154		88.8	82.2-117.8			
Selenium	186	10	mg/Kg wet	207		89.7	77.1-122.3			
Silver	41.4	1.0	mg/Kg wet	43.8		94.6	74.3-125.4			
Thallium	146	5.1	mg/Kg wet	167		87.6	78.2-121.6			
Vanadium	86.1	2.0	mg/Kg wet	100		86.1	64.8-135.2			
Zinc	188	2.0	mg/Kg wet	209		89.9	79.7-120.8			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185638 - SW-846 3050B
LCS Dup (B185638-BSD1)

Prepared: 09/06/17 Analyzed: 09/08/17

Antimony	54.4	5.0	mg/Kg wet	146		37.2	0-210.3	9.75	30	
Arsenic	142	5.0	mg/Kg wet	157		90.5	77.8-122.1	0.506	30	
Barium	311	5.0	mg/Kg wet	339		91.7	82-117.4	1.65	30	
Beryllium	54.6	0.50	mg/Kg wet	58.3		93.6	82.3-117.7	2.24	30	
Cadmium	187	0.50	mg/Kg wet	216		86.4	81.9-118.2	0.524	30	
Chromium	82.9	1.0	mg/Kg wet	88.9		93.2	78.7-120.6	1.95	30	
Copper	178	1.0	mg/Kg wet	184		96.6	80.4-119.6	3.08	30	
Lead	90.7	1.5	mg/Kg wet	94.3		96.1	82.4-117.8	0.323	30	
Nickel	134	1.0	mg/Kg wet	154		87.1	82.2-117.8	1.92	30	
Selenium	188	10	mg/Kg wet	207		90.8	77.1-122.3	1.18	30	
Silver	40.8	1.0	mg/Kg wet	43.8		93.2	74.3-125.4	1.51	30	
Thallium	146	5.0	mg/Kg wet	167		87.7	78.2-121.6	0.122	30	
Vanadium	85.7	2.0	mg/Kg wet	100		85.7	64.8-135.2	0.423	30	
Zinc	185	2.0	mg/Kg wet	209		88.7	79.7-120.8	1.42	30	

MRL Check (B185638-MRL1)

Prepared: 09/06/17 Analyzed: 09/08/17

Lead	0.595	0.72	mg/Kg wet	0.719		82.8	80-120			
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Batch B185847 - SW-846 3005A
Blank (B185847-BLK1)

Prepared: 09/08/17 Analyzed: 09/11/17

Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Beryllium	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Thallium	ND	1.0	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							

LCS (B185847-BS1)

Prepared: 09/08/17 Analyzed: 09/11/17

Antimony	258	5.0	µg/L	250		103	80-120			
Arsenic	259	2.0	µg/L	250		104	80-120			
Barium	256	50	µg/L	250		102	80-120			
Beryllium	245	2.0	µg/L	250		97.8	80-120			
Cadmium	254	2.5	µg/L	250		102	80-120			
Chromium	254	5.0	µg/L	250		101	80-120			
Copper	257	25	µg/L	250		103	80-120			
Lead	245	5.0	µg/L	250		97.9	80-120			
Nickel	257	25	µg/L	250		103	80-120			
Selenium	253	25	µg/L	250		101	80-120			
Silver	268	2.5	µg/L	250		107	80-120			
Thallium	241	1.0	µg/L	250		96.3	80-120			
Vanadium	231	25	µg/L	250		92.5	80-120			
Zinc	260	50	µg/L	250		104	80-120			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185847 - SW-846 3005A
LCS Dup (B185847-BSD1)

Prepared: 09/08/17 Analyzed: 09/11/17

Antimony	264	5.0	µg/L	250		106	80-120	2.24	20	
Arsenic	255	2.0	µg/L	250		102	80-120	1.54	20	
Barium	262	50	µg/L	250		105	80-120	2.25	20	
Beryllium	251	2.0	µg/L	250		100	80-120	2.57	20	
Cadmium	259	2.5	µg/L	250		104	80-120	1.88	20	
Chromium	253	5.0	µg/L	250		101	80-120	0.406	20	
Copper	256	25	µg/L	250		102	80-120	0.363	20	
Lead	250	5.0	µg/L	250		100	80-120	2.32	20	
Nickel	256	25	µg/L	250		102	80-120	0.302	20	
Selenium	251	25	µg/L	250		101	80-120	0.781	20	
Silver	275	2.5	µg/L	250		110	80-120	2.68	20	
Thallium	251	1.0	µg/L	250		100	80-120	4.04	20	
Vanadium	232	25	µg/L	250		92.7	80-120	0.207	20	
Zinc	259	50	µg/L	250		103	80-120	0.591	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B185578 - % Solids

Duplicate (B185578-DUP4)		Source: 17H1675-01		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.7		% Wt		91.4			1.41	20	
Duplicate (B185578-DUP5)		Source: 17H1675-02		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.4		% Wt		91.9			0.543	20	
Duplicate (B185578-DUP6)		Source: 17H1675-03		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	91.6		% Wt		89.7			2.10	20	

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

WS-AOC13-SO-33

SW-846 8082A

Lab Sample ID: 17H1675-01 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-34***SW-846 8082A*

Lab Sample ID: 17H1675-02 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.24	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-35***SW-846 8082A*

Lab Sample ID: 17H1675-03 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-36***SW-846 8082A*

Lab Sample ID: 17H1675-04 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.60	
	2	0.000	-0.030	0.030	0.61	1.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-37

Lab Sample ID: 17H1675-05 Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.2	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-38***SW-846 8082A*

Lab Sample ID: 17H1675-06 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.32	3.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC13-SO-39***SW-846 8082A*

Lab Sample ID: 17H1675-07 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.13	7.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-SO-17-0**

Lab Sample ID: 17H1675-08 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.094	
	2	0.000	-0.030	0.030	0.096	2.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC7-SO-18-0***SW-846 8082A*

Lab Sample ID: 17H1675-09 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.86	
	2	0.000	-0.030	0.030	0.85	2.3

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-SO-3-0***SW-846 8082A*

Lab Sample ID: 17H1675-12 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.31	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-45-0

Lab Sample ID: 17H1675-13 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.26	3.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC8-SE-25***SW-846 8082A*

Lab Sample ID: 17H1675-14 Date(s) Analyzed: 09/14/2017 09/14/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.4	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-SE-15

Lab Sample ID: 17H1675-15 Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	440	
	2	0.000	-0.030	0.030	430	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185770-BS1 Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.54	9.7
Aroclor-1260	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.48	2.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185770-BSD1 Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.55	5.6
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.48	4.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS**

Lab Sample ID: B185858-BS1 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS Dup**

Lab Sample ID: B185858-BSD1 Date(s) Analyzed: 09/13/2017 09/13/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

Lab Sample ID: B185858-MS1 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.41	
	2	0.000	-0.030	0.030	0.39	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B185858-MSD1 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.37	2.7

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT
<i>SW-846 6010C-D in Soil</i>	
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
<i>SW-846 6020A-B in Water</i>	
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
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
o-Xylene	CT,NH,NY,ME
<i>SW-846 8260C in Water</i>	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
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
<i>SW-846 8270D in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
<i>SW-846 8270D in Water</i>	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid: Malcolm Beeler (Weston & Sampson)

Invoice Recipient: Chris Berthiaume / Will Sirotnak

Sampled By: Chris Berthiaume / Will Sirotnak

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC13-SO-33	8/31/17	1000	X		S	U
2	WS-AOC13-SO-34		1010				
3	WS-AOC13-SO-35		1020				
4	WS-AOC13-SO-36		1030				
5	WS-AOC13-SO-37		1040				
6	WS-AOC13-SO-38		1050				
7	WS-AOC13-SO-39		1100				
8	WS-AOC13-SO-17-0		1110				
9	WS-AOC7-SO-18-0		1115				
10	WS-AOC7-SO-19-0		1120				

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time: 8/31/17	Detection Limit Requirements	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # <u>WS 9/11/17</u> NELAC and AIHA-LAP, LLC Accredited
Received by: (signature)	Date/Time: 8/31/17 1505	MA	
Relinquished by: (signature)	Date/Time: 9/11/17 900	CT	
Received by: (signature)	Date/Time: 9/11/17 9:50 4.3	Other	
Relinquished by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:		TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.
Received by: (signature)	Date/Time:		PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Weston & Sampson Engineers

273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

English Station

510 Grand Ave, New Haven, CT

2170495

Malcolm Beeler

Malcolm Beeler (Weston & Sampson)

Chris Berthiaume / Will Sirotnak

Chris Berthiaume / Will Sirotnak

Chris Berthiaume / Will Sirotnak

Chris Berthiaume / Will Sirotnak

Chris Berthiaume / Will Sirotnak

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Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

CHAIN OF CUSTODY RECORD

Requested Turnaround Time	
7-Day ☒	10-Day ☐
Other: ☐	
Rush Approval Required ☐	
1-Day ☐	3-Day ☐
2-Day ☐	4-Day ☐
Data Delivery	
Format: PDF ☒	EXCEL ☒
Other: ☐	
Enhanced Data Package Required: ☐	
Email To: beelerm@wseinc.com	
Fax To #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC7-50-20-0	6/31/17	1130		X	S	U
12	WS-AOC8-50-3-0		1140				
13	WS-AOC9-50-45-0		1200				
14	WS-AOC8-SE-25		1230				
15	WS-AOC10-SE-15		1300				
16	TRIP BLANK						
17	Equipment Blank-58		0800				

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/31/17	Detection Limit Requirements	
Received by: (signature)	Date/Time: 8/31/17	MA	
Relinquished by: (signature)	Date/Time: 9/1/17	CT	RES DEC
Received by: (signature)	Date/Time: 9/1/17	Other	
Relinquished by: (signature)	Date/Time: 9/1/17	TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.	
Received by: (signature)	Date/Time: 9/1/17	PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT	

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited
 W9 9/1/17

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

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 WCG Date 9/11/17 Time 9:50

How were the samples received? In Cooler T No Cooler On Ice T No Ice
Direct from Sampling Ambient Melted Ice

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.6°C/4.3°C
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? T MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid T Base N/A

Vials	#	Containers:	#	#	#	#
Unp-	<u>3</u>	1 Liter Amb.	<u>6</u>	1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	<u>2</u>	250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	<u>4</u>	Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: <u>WCG 9/11/17</u>
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

D:\HPCHEM\1\DATA\A091217.SEC\A0912007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	579219	601921	-4
c - 10	1.62	584624	601921	-3
c - 12	2.35	601930	601921	0
c - 14	3.01	613611	601921	2
c - 16	3.61	626238	601921	4
c - 18	4.23	617049	601921	3
o-Terphenyl	4.51	684250	601921	
c - 20	4.83	622766	601921	3
c - 22	5.34	629203	601921	5
c - 24	5.77	583868	601921	-3
c - 26	6.16	611957	601921	2
c - 28	6.52	601941	601921	0
c - 30	6.85	596395	601921	-1
c - 32	7.16	582912	601921	-3
c - 34	7.46	587710	601921	-2
c - 36	7.77	589388	601921	-2

* One compound allowed %D <= 50%

Samples
 17H1675-17

D:\HPCHEM\1\DATA\A091217.SEC\A0912039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912039.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	603049	629027	-4
c - 10	1.62	609325	629027	-3
c - 12	2.35	625871	629027	-1
c - 14	3.01	638455	629027	1
c - 16	3.61	652226	629027	4
c - 18	4.23	642382	629027	2
o-Terphenyl	4.51	713285	629027	
c - 20	4.83	648093	629027	3
c - 22	5.34	655317	629027	4
c - 24	5.77	608772	629027	-3
c - 26	6.16	639161	629027	2
c - 28	6.52	629708	629027	0
c - 30	6.85	627878	629027	0
c - 32	7.16	615300	629027	-2
c - 34	7.45	619133	629027	-2
c - 36	7.77	620740	629027	-1

* One compound allowed %D <= 50%

Samples
 17I0112-22
 17I0112-23
 17I0137-01
 17H1672-11

D:\HPCHEM\1\DATA\A091217.SEC\A0912075.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/13/17
 Data File Name A0912075.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	644321	668772	-4
c - 10	1.63	652986	668772	-2
c - 12	2.35	670312	668772	0
c - 14	3.01	682330	668772	2
c - 16	3.61	695447	668772	4
c - 18	4.23	684583	668772	2
o-Terphenyl	4.51	758044	668772	
c - 20	4.83	689892	668772	3
c - 22	5.34	696936	668772	4
c - 24	5.77	646118	668772	-3
c - 26	6.16	678125	668772	1
c - 28	6.52	667022	668772	0
c - 30	6.85	664475	668772	-1
c - 32	7.16	650625	668772	-3
c - 34	7.45	653920	668772	-2
c - 36	7.77	654488	668772	-2

* One compound allowed %D <= 50%

Samples
 17H1675-14
 17I0196-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1675

Laboratory Sample ID(s):

17H1675-01 thru 17H1675-17

Sample Date(s):

08/31/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 6020A-B, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☒ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☒ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☒ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☒ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☒ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☒ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 09/14/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 26, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0462

Enclosed are results of analyses for samples received by the laboratory on September 12, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710462

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-10-SO-1-1	1710462-01	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 7471B SW-846 8082A SW-846 8270D	
WS-AOC-10-SO-1-2	1710462-02	Soil		SM 2540G SW-846 8082A SW-846 8260C	
WS-AOC-10-SO-1-3	1710462-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-2-1	1710462-04	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 7471B SW-846 8082A SW-846 8270D	
WS-AOC-10-SO-2-2	1710462-05	Soil		SM 2540G SW-846 8082A SW-846 8260C	
WS-AOC-10-SO-2-3	1710462-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-6-1	1710462-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-6-2	1710462-08	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC-8-SO-6-3	1710462-09	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-6-4	1710462-10	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-20-1	1710462-11	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-20-2	1710462-12	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-20-3	1710462-13	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-16-1	1710462-14	Soil		SM 2540G SW-846 8082A	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710462

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-10-SO-16-2	1710462-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-16-3	1710462-16	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-17-1	1710462-17	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-10-SO-17-2	1710462-18	Soil		SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC-10-SO-17-3	1710462-19	Soil		SM 2540G SW-846 8082A	
WS-AOC-10-SO-31-1	1710462-20	Soil		CTDEP ETPH SM 2540G SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

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SW-846 8260C

Qualifications:**L-01**

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:**Trichlorofluoromethane (Freon 11)**

B186197-BS1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:**Tetrahydrofuran**

1710462-02[WS-AOC-10-SO-1-2], 1710462-05[WS-AOC-10-SO-2-2], B186197-BLK1, B186197-BS1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**trans-1,2-Dichloroethylene**

B186197-BS1

Trichlorofluoromethane (Freon 11)

B186197-BS1

SW-846 8270D

Qualifications:**L-04**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**4-Chloroaniline**

1710462-01[WS-AOC-10-SO-1-1], 1710462-04[WS-AOC-10-SO-2-1], 1710462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

Aniline

1710462-01[WS-AOC-10-SO-1-1], 1710462-04[WS-AOC-10-SO-2-1], 1710462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Hexachlorocyclopentadiene**

1710462-01[WS-AOC-10-SO-1-1], 1710462-04[WS-AOC-10-SO-2-1], 1710462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:**Pentachloronitrobenzene**

1710462-01[WS-AOC-10-SO-1-1], 1710462-04[WS-AOC-10-SO-2-1], 1710462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Pentachloronitrobenzene**

1710462-01[WS-AOC-10-SO-1-1], 1710462-04[WS-AOC-10-SO-2-1], 1710462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

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SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1

Sampled: 9/12/2017 10:53

Sample ID: 1710462-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Aniline	ND	0.38	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(a)anthracene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(a)pyrene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(b)fluoranthene	0.42	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(g,h,i)perylene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Chrysene	0.32	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Fluoranthene	0.69	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Indeno(1,2,3-cd)pyrene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1

Sampled: 9/12/2017 10:53

Sample ID: 1710462-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-20, V-16	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Phenanthrene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pyrene	0.64	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	61.1	30-130						9/19/17 12:54	
Phenol-d6	60.4	30-130						9/19/17 12:54	
Nitrobenzene-d5	62.7	30-130						9/19/17 12:54	
2-Fluorobiphenyl	70.9	30-130						9/19/17 12:54	
2,4,6-Tribromophenol	84.4	30-130						9/19/17 12:54	
p-Terphenyl-d14	74.7	30-130						9/19/17 12:54	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1

Sampled: 9/12/2017 10:53

Sample ID: 1710462-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.2	30-150						9/25/17 17:47	
Decachlorobiphenyl [2]	93.4	30-150						9/25/17 17:47	
Tetrachloro-m-xylene [1]	94.1	30-150						9/25/17 17:47	
Tetrachloro-m-xylene [2]	94.5	30-150						9/25/17 17:47	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1

Sampled: 9/12/2017 10:53

Sample ID: 1710462-01

Sample Matrix: Soil

Petrolium Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	160	56	mg/Kg dry	5		CTDEP ETPH	9/19/17	9/21/17 0:14	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	120		50-150					9/21/17 0:14	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1

Sampled: 9/12/2017 10:53

Sample ID: 1710462-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Barium	44	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Chromium	8.0	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Copper	21	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Lead	52	0.80	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Mercury	0.098	0.028	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:36	TJK
Nickel	7.9	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Vanadium	30	1.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Zinc	45	1.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1

Sampled: 9/12/2017 10:53

Sample ID: 1710462-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2

Sampled: 9/12/2017 10:54

Sample ID: 1710462-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromomethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chlorodibromomethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloromethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3-Dichloropropane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
cis-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2

Sampled: 9/12/2017 10:54

Sample ID: 1710462-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Tetrahydrofuran	ND	0.0067	mg/Kg dry	1	V-16	SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Vinyl Chloride	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	105	70-130						9/14/17 8:19	
Toluene-d8	104	70-130						9/14/17 8:19	
4-Bromofluorobenzene	102	70-130						9/14/17 8:19	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2

Sampled: 9/12/2017 10:54

Sample ID: 1710462-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.4	30-150						9/25/17 18:06	
Decachlorobiphenyl [2]	85.4	30-150						9/25/17 18:06	
Tetrachloro-m-xylene [1]	91.1	30-150						9/25/17 18:06	
Tetrachloro-m-xylene [2]	94.1	30-150						9/25/17 18:06	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2

Sampled: 9/12/2017 10:54

Sample ID: 1710462-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-3

Sampled: 9/12/2017 10:55

Sample ID: 1710462-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.1	30-150						9/25/17 18:24	
Decachlorobiphenyl [2]	77.8	30-150						9/25/17 18:24	
Tetrachloro-m-xylene [1]	89.2	30-150						9/25/17 18:24	
Tetrachloro-m-xylene [2]	84.1	30-150						9/25/17 18:24	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-3

Sampled: 9/12/2017 10:55

Sample ID: 1710462-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1

Sampled: 9/12/2017 11:05

Sample ID: 1710462-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Aniline	ND	0.43	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(a)anthracene	0.52	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(a)pyrene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(b)fluoranthene	0.75	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(g,h,i)perylene	0.56	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(k)fluoranthene	0.27	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Butylbenzylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chloro-3-methylphenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chlorophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Chrysene	0.58	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Di-n-butylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dimethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Di-n-octylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Fluoranthene	1.3	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorocyclopentadiene	ND	0.43	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Indeno(1,2,3-cd)pyrene	0.49	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1

Sampled: 9/12/2017 11:05

Sample ID: 1710462-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
N-Nitrosodiphenylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
N-Nitrosodi-n-propylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pentachloronitrobenzene	ND	0.43	mg/Kg dry	1	V-16, V-20	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Phenanthrene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pyrene	1.2	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pyridine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	55.2	30-130							
Phenol-d6	56.4	30-130							
Nitrobenzene-d5	59.3	30-130							
2-Fluorobiphenyl	70.7	30-130							
2,4,6-Tribromophenol	80.1	30-130							
p-Terphenyl-d14	78.2	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1

Sampled: 9/12/2017 11:05

Sample ID: 1710462-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.3	30-150						9/25/17 18:42	
Decachlorobiphenyl [2]	81.5	30-150						9/25/17 18:42	
Tetrachloro-m-xylene [1]	87.5	30-150						9/25/17 18:42	
Tetrachloro-m-xylene [2]	86.2	30-150						9/25/17 18:42	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1

Sampled: 9/12/2017 11:05

Sample ID: 1710462-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	84	13	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:01	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	78.0		50-150					9/21/17 2:01	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1

Sampled: 9/12/2017 11:05

Sample ID: 1710462-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Arsenic	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Barium	80	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Cadmium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Chromium	11	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Copper	37	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Lead	130	0.92	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Mercury	0.27	0.030	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:37	TJK
Nickel	8.8	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Vanadium	34	1.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Zinc	95	1.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1

Sampled: 9/12/2017 11:05

Sample ID: 1710462-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2

Sampled: 9/12/2017 11:06

Sample ID: 1710462-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Acrylonitrile	ND	0.0041	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromomethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Carbon Disulfide	ND	0.0041	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chlorodibromomethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloromethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3-Dichloropropane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
cis-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2

Sampled: 9/12/2017 11:06

Sample ID: 1710462-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Tetrahydrofuran	ND	0.0069	mg/Kg dry	1	V-16	SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Vinyl Chloride	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	105	70-130						9/14/17 8:47	
Toluene-d8	106	70-130						9/14/17 8:47	
4-Bromofluorobenzene	102	70-130						9/14/17 8:47	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2

Sampled: 9/12/2017 11:06

Sample ID: 1710462-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.3	30-150						9/25/17 19:01	
Decachlorobiphenyl [2]	90.1	30-150						9/25/17 19:01	
Tetrachloro-m-xylene [1]	94.5	30-150						9/25/17 19:01	
Tetrachloro-m-xylene [2]	92.6	30-150						9/25/17 19:01	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2

Sampled: 9/12/2017 11:06

Sample ID: 1710462-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-3

Sampled: 9/12/2017 11:07

Sample ID: 1710462-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.9	30-150						9/25/17 19:19	
Decachlorobiphenyl [2]	83.1	30-150						9/25/17 19:19	
Tetrachloro-m-xylene [1]	98.7	30-150						9/25/17 19:19	
Tetrachloro-m-xylene [2]	94.3	30-150						9/25/17 19:19	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-3

Sampled: 9/12/2017 11:07

Sample ID: 1710462-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-1

Sampled: 9/12/2017 11:17

Sample ID: 1710462-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1254 [2]	0.26	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1260 [1]	0.33	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.8	30-150						9/25/17 19:37	
Decachlorobiphenyl [2]	81.4	30-150						9/25/17 19:37	
Tetrachloro-m-xylene [1]	93.7	30-150						9/25/17 19:37	
Tetrachloro-m-xylene [2]	90.1	30-150						9/25/17 19:37	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-1

Sampled: 9/12/2017 11:17

Sample ID: 1710462-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2

Sampled: 9/12/2017 11:18

Sample ID: 1710462-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(a)anthracene	0.55	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(a)pyrene	0.68	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(b)fluoranthene	0.76	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(g,h,i)perylene	0.58	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(k)fluoranthene	0.29	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Chrysene	0.53	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Fluoranthene	0.79	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Indeno(1,2,3-cd)pyrene	0.53	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Phenanthrene	0.24	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Pyrene	0.86	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	54.7	30-130							
2-Fluorobiphenyl	65.6	30-130							
p-Terphenyl-d14	75.2	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2

Sampled: 9/12/2017 11:18

Sample ID: 1710462-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.6	30-150							
Decachlorobiphenyl [2]	80.9	30-150							
Tetrachloro-m-xylene [1]	94.4	30-150							
Tetrachloro-m-xylene [2]	88.8	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2

Sampled: 9/12/2017 11:18

Sample ID: 1710462-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	96	53	mg/Kg dry	5		CTDEP ETPH	9/19/17	9/21/17 0:32	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	81.1		50-150					9/21/17 0:32	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2

Sampled: 9/12/2017 11:18

Sample ID: 1710462-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-3

Sampled: 9/12/2017 11:19

Sample ID: 1710462-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.7	30-150						9/25/17 20:14	
Decachlorobiphenyl [2]	80.4	30-150						9/25/17 20:14	
Tetrachloro-m-xylene [1]	89.4	30-150						9/25/17 20:14	
Tetrachloro-m-xylene [2]	87.4	30-150						9/25/17 20:14	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-3

Sampled: 9/12/2017 11:19

Sample ID: 1710462-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-4

Sampled: 9/12/2017 11:20

Sample ID: 1710462-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.6	30-150						9/25/17 20:32	
Decachlorobiphenyl [2]	141	30-150						9/25/17 20:32	
Tetrachloro-m-xylene [1]	79.6	30-150						9/25/17 20:32	
Tetrachloro-m-xylene [2]	67.8	30-150						9/25/17 20:32	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-4

Sampled: 9/12/2017 11:20

Sample ID: 1710462-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-1

Sampled: 9/12/2017 11:44

Sample ID: 1710462-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.9	30-150						9/25/17 21:40	
Decachlorobiphenyl [2]	88.7	30-150						9/25/17 21:40	
Tetrachloro-m-xylene [1]	94.0	30-150						9/25/17 21:40	
Tetrachloro-m-xylene [2]	92.7	30-150						9/25/17 21:40	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-1

Sampled: 9/12/2017 11:44

Sample ID: 1710462-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-2

Sampled: 9/12/2017 11:45

Sample ID: 1710462-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.2	30-150						9/25/17 21:58	
Decachlorobiphenyl [2]	80.9	30-150						9/25/17 21:58	
Tetrachloro-m-xylene [1]	85.9	30-150						9/25/17 21:58	
Tetrachloro-m-xylene [2]	84.2	30-150						9/25/17 21:58	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-2

Sampled: 9/12/2017 11:45

Sample ID: 1710462-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	70.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-3

Sampled: 9/12/2017 11:46

Sample ID: 1710462-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	57.2	30-150						9/25/17 22:17	
Decachlorobiphenyl [2]	61.5	30-150						9/25/17 22:17	
Tetrachloro-m-xylene [1]	68.5	30-150						9/25/17 22:17	
Tetrachloro-m-xylene [2]	70.7	30-150						9/25/17 22:17	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-3

Sampled: 9/12/2017 11:46

Sample ID: 1710462-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-1

Sampled: 9/12/2017 11:52

Sample ID: 1710462-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1260 [2]	0.092	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.4	30-150						9/25/17 22:35	
Decachlorobiphenyl [2]	86.1	30-150						9/25/17 22:35	
Tetrachloro-m-xylene [1]	88.1	30-150						9/25/17 22:35	
Tetrachloro-m-xylene [2]	86.3	30-150						9/25/17 22:35	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-1

Sampled: 9/12/2017 11:52

Sample ID: 1710462-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-2

Sampled: 9/12/2017 11:53

Sample ID: 1710462-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.3	30-150						9/25/17 22:53	
Decachlorobiphenyl [2]	95.6	30-150						9/25/17 22:53	
Tetrachloro-m-xylene [1]	93.4	30-150						9/25/17 22:53	
Tetrachloro-m-xylene [2]	94.7	30-150						9/25/17 22:53	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-2

Sampled: 9/12/2017 11:53

Sample ID: 1710462-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-3

Sampled: 9/12/2017 11:54

Sample ID: 1710462-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1260 [1]	0.38	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.7	30-150						9/25/17 23:11	
Decachlorobiphenyl [2]	88.3	30-150						9/25/17 23:11	
Tetrachloro-m-xylene [1]	94.2	30-150						9/25/17 23:11	
Tetrachloro-m-xylene [2]	90.0	30-150						9/25/17 23:11	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-3

Sampled: 9/12/2017 11:54

Sample ID: 1710462-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1

Sampled: 9/12/2017 11:57

Sample ID: 1710462-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.1	30-150						9/25/17 23:30	
Decachlorobiphenyl [2]	82.5	30-150						9/25/17 23:30	
Tetrachloro-m-xylene [1]	86.5	30-150						9/25/17 23:30	
Tetrachloro-m-xylene [2]	85.2	30-150						9/25/17 23:30	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1

Sampled: 9/12/2017 11:57

Sample ID: 1710462-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	100	12	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:18	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	76.3		50-150					9/21/17 2:18	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1

Sampled: 9/12/2017 11:57

Sample ID: 1710462-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2

Sampled: 9/12/2017 11:58

Sample ID: 1710462-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Aniline	ND	0.41	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chloroaniline	ND	0.80	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chloro-3-methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dinitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2

Sampled: 9/12/2017 11:58

Sample ID: 1710462-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1	V-16, V-20	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	66.6	30-130							
Phenol-d6	66.5	30-130							
Nitrobenzene-d5	69.1	30-130							
2-Fluorobiphenyl	79.6	30-130							
2,4,6-Tribromophenol	95.6	30-130							
p-Terphenyl-d14	87.2	30-130							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2

Sampled: 9/12/2017 11:58

Sample ID: 1710462-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.3	30-150							
Decachlorobiphenyl [2]	92.6	30-150							
Tetrachloro-m-xylene [1]	88.9	30-150							
Tetrachloro-m-xylene [2]	87.8	30-150							

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2

Sampled: 9/12/2017 11:58

Sample ID: 1710462-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-3

Sampled: 9/12/2017 11:59

Sample ID: 1710462-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.5	30-150						9/26/17 0:06	
Decachlorobiphenyl [2]	88.4	30-150						9/26/17 0:06	
Tetrachloro-m-xylene [1]	86.9	30-150						9/26/17 0:06	
Tetrachloro-m-xylene [2]	84.2	30-150						9/26/17 0:06	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-3

Sampled: 9/12/2017 11:59

Sample ID: 1710462-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	61.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1

Sampled: 9/12/2017 12:15

Sample ID: 1710462-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150						9/26/17 0:25	
Decachlorobiphenyl [2]	102	30-150						9/26/17 0:25	
Tetrachloro-m-xylene [1]	104	30-150						9/26/17 0:25	
Tetrachloro-m-xylene [2]	100	30-150						9/26/17 0:25	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1

Sampled: 9/12/2017 12:15

Sample ID: 1710462-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	43	11	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:36	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	84.4		50-150					9/21/17 2:36	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1

Sampled: 9/12/2017 12:15

Sample ID: 1710462-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Sample Extraction Data**Prep Method: SW-846 3546-CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186524	30.1	1.00	09/19/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186524	30.0	1.00	09/19/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186524	30.0	1.00	09/19/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186524	30.1	1.00	09/19/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186524	30.2	1.00	09/19/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186542	09/19/17
17I0462-02 [WS-AOC-10-SO-1-2]	B186542	09/19/17
17I0462-03 [WS-AOC-10-SO-1-3]	B186542	09/19/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186542	09/19/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186542	09/19/17
17I0462-06 [WS-AOC-10-SO-2-3]	B186542	09/19/17
17I0462-07 [WS-AOC-8-SO-6-1]	B186542	09/19/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186542	09/19/17
17I0462-09 [WS-AOC-8-SO-6-3]	B186542	09/19/17
17I0462-10 [WS-AOC-8-SO-6-4]	B186542	09/19/17
17I0462-11 [WS-AOC-10-SO-20-1]	B186542	09/19/17
17I0462-12 [WS-AOC-10-SO-20-2]	B186542	09/19/17
17I0462-13 [WS-AOC-10-SO-20-3]	B186542	09/19/17
17I0462-14 [WS-AOC-10-SO-16-1]	B186542	09/19/17
17I0462-15 [WS-AOC-10-SO-16-2]	B186542	09/19/17
17I0462-16 [WS-AOC-10-SO-16-3]	B186542	09/19/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186542	09/19/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186542	09/19/17
17I0462-19 [WS-AOC-10-SO-17-3]	B186542	09/19/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186542	09/19/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186445	1.06	50.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186445	1.03	50.0	09/18/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186443	0.614	50.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186443	0.624	50.0	09/18/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186493	10.0	10.0	09/18/17
17I0462-02 [WS-AOC-10-SO-1-2]	B186493	10.2	10.0	09/18/17
17I0462-03 [WS-AOC-10-SO-1-3]	B186493	10.1	10.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186493	10.2	10.0	09/18/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186493	10.1	10.0	09/18/17

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Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-06 [WS-AOC-10-SO-2-3]	B186493	10.0	10.0	09/18/17
17I0462-07 [WS-AOC-8-SO-6-1]	B186493	10.2	10.0	09/18/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186493	10.0	10.0	09/18/17
17I0462-09 [WS-AOC-8-SO-6-3]	B186493	10.3	10.0	09/18/17
17I0462-10 [WS-AOC-8-SO-6-4]	B186493	10.2	10.0	09/18/17
17I0462-11 [WS-AOC-10-SO-20-1]	B186493	10.0	10.0	09/18/17
17I0462-12 [WS-AOC-10-SO-20-2]	B186493	10.0	10.0	09/18/17
17I0462-13 [WS-AOC-10-SO-20-3]	B186493	10.0	10.0	09/18/17
17I0462-14 [WS-AOC-10-SO-16-1]	B186493	10.0	10.0	09/18/17
17I0462-15 [WS-AOC-10-SO-16-2]	B186493	10.0	10.0	09/18/17
17I0462-16 [WS-AOC-10-SO-16-3]	B186493	10.0	10.0	09/18/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186493	10.1	10.0	09/18/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186493	10.2	10.0	09/18/17
17I0462-19 [WS-AOC-10-SO-17-3]	B186493	10.1	10.0	09/18/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186493	10.0	10.0	09/18/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-02 [WS-AOC-10-SO-1-2]	B186197	8.32	10.0	09/14/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186197	9.05	10.0	09/14/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186451	30.1	1.00	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186451	30.0	1.00	09/18/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186451	30.0	1.00	09/18/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186451	30.1	1.00	09/18/17

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186197 - SW-846 5035
Blank (B186197-BLK1)

Prepared & Analyzed: 09/14/17

Acetone	ND	0.10	mg/Kg wet
Acrylonitrile	ND	0.0060	mg/Kg wet
Benzene	ND	0.0020	mg/Kg wet
Bromobenzene	ND	0.0020	mg/Kg wet
Bromodichloromethane	ND	0.0020	mg/Kg wet
Bromoform	ND	0.0020	mg/Kg wet
Bromomethane	ND	0.010	mg/Kg wet
2-Butanone (MEK)	ND	0.040	mg/Kg wet
n-Butylbenzene	ND	0.0020	mg/Kg wet
sec-Butylbenzene	ND	0.0020	mg/Kg wet
tert-Butylbenzene	ND	0.0020	mg/Kg wet
Carbon Disulfide	ND	0.0060	mg/Kg wet
Carbon Tetrachloride	ND	0.0020	mg/Kg wet
Chlorobenzene	ND	0.0020	mg/Kg wet
Chlorodibromomethane	ND	0.0010	mg/Kg wet
Chloroethane	ND	0.020	mg/Kg wet
Chloroform	ND	0.0040	mg/Kg wet
Chloromethane	ND	0.010	mg/Kg wet
2-Chlorotoluene	ND	0.0020	mg/Kg wet
4-Chlorotoluene	ND	0.0020	mg/Kg wet
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet
Dibromomethane	ND	0.0020	mg/Kg wet
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet
1,1-Dichloroethane	ND	0.0020	mg/Kg wet
1,2-Dichloroethane	ND	0.0020	mg/Kg wet
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet
1,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,3-Dichloropropane	ND	0.0010	mg/Kg wet
2,2-Dichloropropane	ND	0.0020	mg/Kg wet
1,1-Dichloropropene	ND	0.0020	mg/Kg wet
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet
Ethylbenzene	ND	0.0020	mg/Kg wet
Hexachlorobutadiene	ND	0.0020	mg/Kg wet
2-Hexanone (MBK)	ND	0.020	mg/Kg wet
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet
Methylene Chloride	ND	0.020	mg/Kg wet
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet
Naphthalene	ND	0.0040	mg/Kg wet
n-Propylbenzene	ND	0.0020	mg/Kg wet
Styrene	ND	0.0020	mg/Kg wet
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186197 - SW-846 5035
Blank (B186197-BLK1)

Prepared & Analyzed: 09/14/17

Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0536		mg/Kg wet	0.0500		107	70-130			
Surrogate: Toluene-d8	0.0526		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0517		mg/Kg wet	0.0500		103	70-130			

LCS (B186197-BS1)

Prepared & Analyzed: 09/14/17

Acetone	0.183	0.10	mg/Kg wet	0.200		91.5	70-130			
Acrylonitrile	0.0220	0.0060	mg/Kg wet	0.0200		110	70-130			
Benzene	0.0184	0.0020	mg/Kg wet	0.0200		91.8	70-130			
Bromobenzene	0.0170	0.0020	mg/Kg wet	0.0200		85.2	70-130			
Bromodichloromethane	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
Bromoform	0.0169	0.0020	mg/Kg wet	0.0200		84.3	70-130			
Bromomethane	0.0212	0.010	mg/Kg wet	0.0200		106	70-130			
2-Butanone (MEK)	0.209	0.040	mg/Kg wet	0.200		104	70-130			
n-Butylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
sec-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130			
tert-Butylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Carbon Disulfide	0.240	0.0060	mg/Kg wet	0.200		120	70-130			
Carbon Tetrachloride	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Chlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130			
Chlorodibromomethane	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Chloroethane	0.0175	0.020	mg/Kg wet	0.0200		87.4	70-130			
Chloroform	0.0198	0.0040	mg/Kg wet	0.0200		99.2	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
4-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2-Dibromoethane (EDB)	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130			
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
1,2-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130			
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130			
1,4-Dichlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
trans-1,4-Dichloro-2-butene	0.0182	0.0040	mg/Kg wet	0.0200		91.0	70-130			
Dichlorodifluoromethane (Freon 12)	0.0241	0.020	mg/Kg wet	0.0200		121	70-130			
1,1-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichloroethane	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			
1,1-Dichloroethylene	0.0211	0.0040	mg/Kg wet	0.0200		106	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035										
LCS (B186197-BS1)				Prepared & Analyzed: 09/14/17						
cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			V-20
trans-1,2-Dichloroethylene	0.0252	0.0020	mg/Kg wet	0.0200		126	70-130			
1,2-Dichloropropane	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130			
1,3-Dichloropropane	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130			
2,2-Dichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130			
1,1-Dichloropropene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
cis-1,3-Dichloropropene	0.0194	0.0010	mg/Kg wet	0.0200		96.8	70-130			
trans-1,3-Dichloropropene	0.0211	0.0010	mg/Kg wet	0.0200		105	70-130			
Ethylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
Hexachlorobutadiene	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130			
2-Hexanone (MBK)	0.211	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130			
p-Isopropyltoluene (p-Cymene)	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0199	0.0040	mg/Kg wet	0.0200		99.3	70-130			
Methylene Chloride	0.0220	0.020	mg/Kg wet	0.0200		110	70-130			V-16
4-Methyl-2-pentanone (MIBK)	0.219	0.020	mg/Kg wet	0.200		110	70-130			
Naphthalene	0.0160	0.0040	mg/Kg wet	0.0200		80.1	70-130			
n-Propylbenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130			
Styrene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
1,1,1,2-Tetrachloroethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		80.1	70-130			
Tetrachloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
Tetrahydrofuran	0.0192	0.010	mg/Kg wet	0.0200		96.1	70-130			
Toluene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
1,2,4-Trichlorobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130			
1,1,1-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			L-01, V-20
1,1,2-Trichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130			
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
Trichlorofluoromethane (Freon 11)	0.0273	0.010	mg/Kg wet	0.0200		136 *	70-130			
1,2,3-Trichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0248	0.010	mg/Kg wet	0.0200		124	70-130			
1,2,4-Trimethylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,3,5-Trimethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130			
Vinyl Chloride	0.0192	0.010	mg/Kg wet	0.0200		95.9	70-130			
m+p Xylene	0.0373	0.0040	mg/Kg wet	0.0400		93.4	70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0532		mg/Kg wet	0.0500		106	70-130			
Surrogate: Toluene-d8	0.0530		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.0524		mg/Kg wet	0.0500		105	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186451 - SW-846 3546										
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							L-04
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186451 - SW-846 3546										
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16, V-20
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	3.79		mg/Kg wet	6.67		56.9	30-130			
Surrogate: Phenol-d6	3.77		mg/Kg wet	6.67		56.5	30-130			
Surrogate: Nitrobenzene-d5	1.88		mg/Kg wet	3.33		56.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.16		mg/Kg wet	3.33		64.9	30-130			
Surrogate: 2,4,6-Tribromophenol	6.08		mg/Kg wet	6.67		91.1	30-130			
Surrogate: p-Terphenyl-d14	2.81		mg/Kg wet	3.33		84.2	30-130			
LCS (B186451-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Acenaphthene	0.952	0.17	mg/Kg wet	1.67		57.1	40-140			
Acenaphthylene	0.981	0.17	mg/Kg wet	1.67		58.9	40-140			
Aniline	0.639	0.34	mg/Kg wet	1.67		38.4	* 40-140			L-04 †
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140			
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140			
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Bis(2-chloroethoxy)methane	1.12	0.34	mg/Kg wet	1.67		67.3	40-140			
Bis(2-chloroethyl)ether	1.02	0.34	mg/Kg wet	1.67		61.0	40-140			
Bis(2-chloroisopropyl)ether	0.961	0.34	mg/Kg wet	1.67		57.7	40-140			
Bis(2-Ethylhexyl)phthalate	1.02	0.34	mg/Kg wet	1.67		60.9	40-140			
4-Bromophenylphenylether	1.35	0.34	mg/Kg wet	1.67		80.8	40-140			
Butylbenzylphthalate	1.08	0.34	mg/Kg wet	1.67		64.9	40-140			
Carbazole	1.04	0.17	mg/Kg wet	1.67		62.4	40-140			
4-Chloroaniline	0.607	0.66	mg/Kg wet	1.67		36.4	* 40-140			L-04 †
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		65.9	30-130			
2-Chloronaphthalene	1.03	0.34	mg/Kg wet	1.67		61.8	40-140			
2-Chlorophenol	1.07	0.34	mg/Kg wet	1.67		63.9	30-130			
4-Chlorophenylphenylether	1.23	0.34	mg/Kg wet	1.67		73.8	40-140			
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.1	40-140			
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140			
Dibenzofuran	1.11	0.34	mg/Kg wet	1.67		66.6	40-140			
Di-n-butylphthalate	1.06	0.34	mg/Kg wet	1.67		63.8	40-140			
3,3-Dichlorobenzidine	1.25	0.17	mg/Kg wet	1.67		75.3	40-140			†
2,4-Dichlorophenol	1.22	0.34	mg/Kg wet	1.67		72.9	30-130			
Diethylphthalate	1.14	0.34	mg/Kg wet	1.67		68.4	40-140			
2,4-Dimethylphenol	1.10	0.34	mg/Kg wet	1.67		66.1	30-130			
Dimethylphthalate	1.16	0.34	mg/Kg wet	1.67		69.6	40-140			
4,6-Dinitro-2-methylphenol	0.904	0.34	mg/Kg wet	1.67		54.2	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186451 - SW-846 3546										
LCS (B186451-BS1)										
				Prepared: 09/18/17 Analyzed: 09/19/17						
2,4-Dinitrophenol	0.721	0.66	mg/Kg wet	1.67		43.2	30-130			
2,4-Dinitrotoluene	1.24	0.34	mg/Kg wet	1.67		74.4	40-140			
2,6-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		76.9	40-140			
Di-n-octylphthalate	0.954	0.34	mg/Kg wet	1.67		57.3	40-140			
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140			
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Hexachlorobenzene	1.41	0.34	mg/Kg wet	1.67		84.7	40-140			
Hexachlorobutadiene	1.26	0.34	mg/Kg wet	1.67		75.9	40-140			
Hexachlorocyclopentadiene	0.676	0.34	mg/Kg wet	1.67		40.6	30-140			V-05
Hexachloroethane	0.923	0.34	mg/Kg wet	1.67		55.4	40-140			
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140			
Isophorone	1.10	0.34	mg/Kg wet	1.67		65.7	40-140			
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140			
2-Methylphenol	0.969	0.34	mg/Kg wet	1.67		58.2	30-130			
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.1	30-130			
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140			
2-Nitroaniline	1.05	0.34	mg/Kg wet	1.67		63.0	40-140			
3-Nitroaniline	0.860	0.34	mg/Kg wet	1.67		51.6	40-140			†
4-Nitroaniline	1.01	0.34	mg/Kg wet	1.67		60.4	40-140			
Nitrobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140			
2-Nitrophenol	1.12	0.34	mg/Kg wet	1.67		67.0	30-130			
4-Nitrophenol	1.35	0.66	mg/Kg wet	1.67		80.7	10-130			
N-Nitrosodiphenylamine	1.37	0.34	mg/Kg wet	1.67		82.2	40-140			
N-Nitrosodi-n-propylamine	0.965	0.34	mg/Kg wet	1.67		57.9	40-140			
Pentachloronitrobenzene	1.42	0.34	mg/Kg wet	1.67		85.5	40-140			V-16, V-20
Pentachlorophenol	0.880	0.34	mg/Kg wet	1.67		52.8	30-130			
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Phenol	1.05	0.34	mg/Kg wet	1.67		62.9	20-130			
Pyrene	1.09	0.17	mg/Kg wet	1.67		65.2	40-140			
Pyridine	0.622	0.34	mg/Kg wet	1.67		37.3	10-140			†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9	40-140			
1,2,4-Trichlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.1	40-140			
2,4,5-Trichlorophenol	1.27	0.34	mg/Kg wet	1.67		76.5	30-130			
2,4,6-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.4	30-130			
Surrogate: 2-Fluorophenol	4.53		mg/Kg wet	6.67		67.9	30-130			
Surrogate: Phenol-d6	4.46		mg/Kg wet	6.67		67.0	30-130			
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		68.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.64		mg/Kg wet	3.33		79.2	30-130			
Surrogate: 2,4,6-Tribromophenol	6.88		mg/Kg wet	6.67		103	30-130			
Surrogate: p-Terphenyl-d14	2.84		mg/Kg wet	3.33		85.3	30-130			
LCS Dup (B186451-BS1)										
				Prepared: 09/18/17 Analyzed: 09/19/17						
Acenaphthene	0.825	0.17	mg/Kg wet	1.67		49.5	40-140	14.3	30	
Acenaphthylene	0.850	0.17	mg/Kg wet	1.67		51.0	40-140	14.3	30	
Aniline	0.567	0.34	mg/Kg wet	1.67		34.0	40-140	12.0	50	L-04 † ‡
Anthracene	0.944	0.17	mg/Kg wet	1.67		56.7	40-140	10.8	30	
Benzo(a)anthracene	1.00	0.17	mg/Kg wet	1.67		60.0	40-140	13.0	30	
Benzo(a)pyrene	0.979	0.17	mg/Kg wet	1.67		58.7	40-140	10.6	30	
Benzo(b)fluoranthene	0.959	0.17	mg/Kg wet	1.67		57.5	40-140	10.2	30	
Benzo(g,h,i)perylene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	12.9	30	
Benzo(k)fluoranthene	0.942	0.17	mg/Kg wet	1.67		56.5	40-140	11.6	30	
Bis(2-chloroethoxy)methane	1.01	0.34	mg/Kg wet	1.67		60.6	40-140	10.5	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186451 - SW-846 3546										
LCS Dup (B186451-BSD1)										
Prepared: 09/18/17 Analyzed: 09/19/17										
Bis(2-chloroethyl)ether	0.896	0.34	mg/Kg wet	1.67		53.8	40-140	12.7	30	
Bis(2-chloroisopropyl)ether	0.867	0.34	mg/Kg wet	1.67		52.0	40-140	10.3	30	
Bis(2-Ethylhexyl)phthalate	0.921	0.34	mg/Kg wet	1.67		55.3	40-140	9.78	30	
4-Bromophenylphenylether	1.19	0.34	mg/Kg wet	1.67		71.7	40-140	12.0	30	
Butylbenzylphthalate	0.953	0.34	mg/Kg wet	1.67		57.2	40-140	12.6	30	
Carbazole	0.913	0.17	mg/Kg wet	1.67		54.8	40-140	13.0	30	
4-Chloroaniline	0.510	0.66	mg/Kg wet	1.67		30.6	* 40-140	17.3	30	L-04 †
4-Chloro-3-methylphenol	0.988	0.66	mg/Kg wet	1.67		59.3	30-130	10.6	30	
2-Chloronaphthalene	0.910	0.34	mg/Kg wet	1.67		54.6	40-140	12.4	30	
2-Chlorophenol	0.956	0.34	mg/Kg wet	1.67		57.4	30-130	10.8	30	
4-Chlorophenylphenylether	1.11	0.34	mg/Kg wet	1.67		66.4	40-140	10.7	30	
Chrysene	0.939	0.17	mg/Kg wet	1.67		56.4	40-140	12.9	30	
Dibenz(a,h)anthracene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140	12.1	30	
Dibenzofuran	0.972	0.34	mg/Kg wet	1.67		58.3	40-140	13.3	30	
Di-n-butylphthalate	0.963	0.34	mg/Kg wet	1.67		57.8	40-140	9.87	30	
3,3-Dichlorobenzidine	1.05	0.17	mg/Kg wet	1.67		62.8	40-140	18.1	30	† ‡
2,4-Dichlorophenol	1.10	0.34	mg/Kg wet	1.67		65.9	30-130	10.1	30	
Diethylphthalate	1.00	0.34	mg/Kg wet	1.67		60.1	40-140	13.0	30	
2,4-Dimethylphenol	1.00	0.34	mg/Kg wet	1.67		60.1	30-130	9.58	30	
Dimethylphthalate	1.04	0.34	mg/Kg wet	1.67		62.7	40-140	10.4	50	
4,6-Dinitro-2-methylphenol	0.832	0.34	mg/Kg wet	1.67		49.9	30-130	8.22	50	
2,4-Dinitrophenol	0.676	0.66	mg/Kg wet	1.67		40.5	30-130	6.45	50	
2,4-Dinitrotoluene	1.08	0.34	mg/Kg wet	1.67		65.0	40-140	13.5	30	
2,6-Dinitrotoluene	1.13	0.34	mg/Kg wet	1.67		67.6	40-140	13.0	30	
Di-n-octylphthalate	0.871	0.34	mg/Kg wet	1.67		52.3	40-140	9.13	30	
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140	8.99	30	
Fluorene	0.938	0.17	mg/Kg wet	1.67		56.3	40-140	12.2	30	
Hexachlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.9	40-140	11.0	30	
Hexachlorobutadiene	1.11	0.34	mg/Kg wet	1.67		66.9	40-140	12.6	30	
Hexachlorocyclopentadiene	0.590	0.34	mg/Kg wet	1.67		35.4	30-140	13.7	50	V-05
Hexachloroethane	0.904	0.34	mg/Kg wet	1.67		54.2	40-140	2.08	50	
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	12.6	50	
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	12.6	30	
Isophorone	0.981	0.34	mg/Kg wet	1.67		58.8	40-140	11.0	30	
2-Methylnaphthalene	0.994	0.17	mg/Kg wet	1.67		59.6	40-140	10.9	30	
2-Methylphenol	0.861	0.34	mg/Kg wet	1.67		51.7	30-130	11.8	30	
3/4-Methylphenol	0.941	0.34	mg/Kg wet	1.67		56.5	30-130	9.51	30	
Naphthalene	0.909	0.17	mg/Kg wet	1.67		54.5	40-140	12.6	30	
2-Nitroaniline	0.911	0.34	mg/Kg wet	1.67		54.7	40-140	14.2	30	
3-Nitroaniline	0.785	0.34	mg/Kg wet	1.67		47.1	40-140	9.20	30	†
4-Nitroaniline	0.898	0.34	mg/Kg wet	1.67		53.9	40-140	11.4	30	
Nitrobenzene	0.972	0.34	mg/Kg wet	1.67		58.3	40-140	13.8	30	
2-Nitrophenol	1.00	0.34	mg/Kg wet	1.67		60.1	30-130	10.9	30	
4-Nitrophenol	1.08	0.66	mg/Kg wet	1.67		64.6	10-130	22.2	50	‡
N-Nitrosodiphenylamine	1.24	0.34	mg/Kg wet	1.67		74.2	40-140	10.3	30	
N-Nitrosodi-n-propylamine	0.862	0.34	mg/Kg wet	1.67		51.7	40-140	11.2	30	
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		77.8	40-140	9.36	30	V-16, V-20
Pentachlorophenol	0.765	0.34	mg/Kg wet	1.67		45.9	30-130	14.0	50	
Phenanthrene	0.938	0.17	mg/Kg wet	1.67		56.3	40-140	13.6	30	
Phenol	0.928	0.34	mg/Kg wet	1.67		55.7	20-130	12.2	30	
Pyrene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140	7.84	30	
Pyridine	0.544	0.34	mg/Kg wet	1.67		32.6	10-140	13.4	50	†

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QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186451 - SW-846 3546
LCS Dup (B186451-BSD1)

Prepared: 09/18/17 Analyzed: 09/19/17

1,2,4,5-Tetrachlorobenzene	1.03	0.34	mg/Kg wet	1.67		62.0	40-140	14.8	30	
1,2,4-Trichlorobenzene	1.13	0.34	mg/Kg wet	1.67		67.5	40-140	10.6	30	
2,4,5-Trichlorophenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130	16.7	30	
2,4,6-Trichlorophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	16.4	50	
Surrogate: 2-Fluorophenol	4.00		mg/Kg wet	6.67		60.0	30-130			
Surrogate: Phenol-d6	3.92		mg/Kg wet	6.67		58.8	30-130			
Surrogate: Nitrobenzene-d5	1.99		mg/Kg wet	3.33		59.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.27		mg/Kg wet	3.33		68.2	30-130			
Surrogate: 2,4,6-Tribromophenol	6.03		mg/Kg wet	6.67		90.5	30-130			
Surrogate: p-Terphenyl-d14	2.55		mg/Kg wet	3.33		76.6	30-130			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186493 - SW-846 3540C
Blank (B186493-BLK1)

Prepared: 09/18/17 Analyzed: 09/25/17

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.173		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.171		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.5	30-150			

LCS (B186493-BS1)

Prepared: 09/18/17 Analyzed: 09/25/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.1	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.9	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.4	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.161		mg/Kg wet	0.200		80.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg wet	0.200		74.9	30-150			

LCS Dup (B186493-BSD1)

Prepared: 09/18/17 Analyzed: 09/25/17

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.2	40-140	6.97	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.8	40-140	2.31	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.2	40-140	0.951	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.8	40-140	9.81	30	
Surrogate: Decachlorobiphenyl	0.171		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.176		mg/Kg wet	0.200		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.165		mg/Kg wet	0.200		82.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186493 - SW-846 3540C

Matrix Spike (B186493-MS1)

Source: 17I0462-01

Prepared: 09/18/17 Analyzed: 09/26/17

Aroclor-1016	0.26	0.091	mg/Kg dry	0.227	ND	115	40-140			
Aroclor-1016 [2C]	0.24	0.091	mg/Kg dry	0.227	ND	107	40-140			
Aroclor-1260	0.26	0.091	mg/Kg dry	0.227	ND	115	40-140			
Aroclor-1260 [2C]	0.24	0.091	mg/Kg dry	0.227	ND	106	40-140			
Surrogate: Decachlorobiphenyl	0.246		mg/Kg dry	0.227		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.235		mg/Kg dry	0.227		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.238		mg/Kg dry	0.227		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.229		mg/Kg dry	0.227		101	30-150			

Matrix Spike Dup (B186493-MSD1)

Source: 17I0462-01

Prepared: 09/18/17 Analyzed: 09/26/17

Aroclor-1016	0.24	0.091	mg/Kg dry	0.227	ND	107	40-140	6.81	50	
Aroclor-1016 [2C]	0.22	0.091	mg/Kg dry	0.227	ND	99.2	40-140	8.05	50	
Aroclor-1260	0.24	0.091	mg/Kg dry	0.227	ND	106	40-140	7.99	50	
Aroclor-1260 [2C]	0.22	0.091	mg/Kg dry	0.227	ND	96.2	40-140	9.63	50	
Surrogate: Decachlorobiphenyl	0.235		mg/Kg dry	0.227		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.226		mg/Kg dry	0.227		99.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.234		mg/Kg dry	0.227		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.220		mg/Kg dry	0.227		97.1	30-150			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186524 - SW-846 3546										
Blank (B186524-BLK1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.40		mg/Kg wet	3.33		102	50-150			
LCS (B186524-BS1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	27.1	10	mg/Kg wet	33.3		81.4	60-120			
Surrogate: o-Terphenyl	3.36		mg/Kg wet	3.33		101	50-150			
LCS Dup (B186524-BSD1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	28.2	10	mg/Kg wet	33.3		84.7	60-120	3.94	30	
Surrogate: o-Terphenyl	3.61		mg/Kg wet	3.33		108	50-150			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186443 - SW-846 7471
Blank (B186443-BLK1)

Prepared: 09/18/17 Analyzed: 09/19/17

Mercury	ND	0.025	mg/Kg wet							
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LCS (B186443-BS1)

Prepared: 09/18/17 Analyzed: 09/19/17

Mercury	8.51	1.9	mg/Kg wet	9.36		90.9	73.7-126.3			
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LCS Dup (B186443-BSD1)

Prepared: 09/18/17 Analyzed: 09/19/17

Mercury	8.71	1.9	mg/Kg wet	9.36		93.0	73.7-126.3	2.35	30	
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Batch B186445 - SW-846 3050B
Blank (B186445-BLK1)

Prepared: 09/18/17 Analyzed: 09/19/17

Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							

LCS (B186445-BS1)

Prepared: 09/18/17 Analyzed: 09/19/17

Antimony	67.6	5.0	mg/Kg wet	146		46.3	0-210.3			
Arsenic	137	5.0	mg/Kg wet	157		87.2	77.8-122.1			
Barium	309	5.0	mg/Kg wet	339		91.1	82-117.4			
Beryllium	53.6	0.50	mg/Kg wet	58.3		92.0	82.3-117.7			
Cadmium	190	0.50	mg/Kg wet	216		88.1	81.9-118.2			
Chromium	82.9	1.0	mg/Kg wet	88.9		93.3	78.7-120.6			
Copper	176	1.0	mg/Kg wet	184		95.6	80.4-119.6			
Lead	82.3	1.5	mg/Kg wet	94.3		87.3	82.4-117.8			
Nickel	138	1.0	mg/Kg wet	154		89.7	82.2-117.8			
Selenium	178	10	mg/Kg wet	207		85.8	77.1-122.3			
Silver	41.7	1.0	mg/Kg wet	43.8		95.2	74.3-125.4			
Thallium	152	5.0	mg/Kg wet	167		91.1	78.2-121.6			
Vanadium	87.2	2.0	mg/Kg wet	100		87.2	64.8-135.2			
Zinc	189	2.0	mg/Kg wet	209		90.5	79.7-120.8			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B186445 - SW-846 3050B
LCS Dup (B186445-BSD1)

Prepared: 09/18/17 Analyzed: 09/19/17

Antimony	73.3	4.9	mg/Kg wet	146		50.2	0-210.3	8.02	30	
Arsenic	150	4.9	mg/Kg wet	157		95.8	77.8-122.1	9.44	30	
Barium	332	4.9	mg/Kg wet	339		97.8	82-117.4	7.17	30	
Beryllium	60.5	0.49	mg/Kg wet	58.3		104	82.3-117.7	11.9	30	
Cadmium	210	0.49	mg/Kg wet	216		97.3	81.9-118.2	9.90	30	
Chromium	92.4	0.99	mg/Kg wet	88.9		104	78.7-120.6	10.8	30	
Copper	192	0.99	mg/Kg wet	184		105	80.4-119.6	8.96	30	
Lead	89.1	1.5	mg/Kg wet	94.3		94.5	82.4-117.8	7.87	30	
Nickel	152	0.99	mg/Kg wet	154		98.4	82.2-117.8	9.20	30	
Selenium	194	9.9	mg/Kg wet	207		93.5	77.1-122.3	8.57	30	
Silver	44.4	0.99	mg/Kg wet	43.8		101	74.3-125.4	6.22	30	
Thallium	168	4.9	mg/Kg wet	167		100	78.2-121.6	9.66	30	
Vanadium	96.0	2.0	mg/Kg wet	100		96.0	64.8-135.2	9.59	30	
Zinc	208	2.0	mg/Kg wet	209		99.4	79.7-120.8	9.31	30	

MRL Check (B186445-MRL1)

Prepared: 09/18/17 Analyzed: 09/19/17

Lead	0.878	0.73	mg/Kg wet	0.734		120	80-120			
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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B186542 - % Solids

Duplicate (B186542-DUP1)		Source: 1710462-01		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	87.3		% Wt		88.3			1.14	20	
Duplicate (B186542-DUP2)		Source: 1710462-02		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	89.1		% Wt		89.5			0.448	20	
Duplicate (B186542-DUP3)		Source: 1710462-03		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	83.6		% Wt		85.0			1.66	20	

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-6-1

Lab Sample ID: 17I0462-07 Date(s) Analyzed: 09/25/2017 09/25/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.26	26.1
Aroclor-1260	1	0.000	-0.030	0.030	0.33	
	2	0.000	-0.030	0.030	0.28	16.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-10-SO-16-1***SW-846 8082A*Lab Sample ID: 1710462-14 Date(s) Analyzed: 09/25/2017 09/25/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.088	
	2	0.000	-0.030	0.030	0.092	4.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-10-SO-16-3**

Lab Sample ID: 1710462-16 Date(s) Analyzed: 09/25/2017 09/25/2017
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.37	2.7

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH
Fluorene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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SW-846 8270D in Soil

2,4,6-Trichlorophenol CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public 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

1710462



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2170495

Malcolm Beeler

Malcolm Beeler (Weston & Sampson)

Chris Berthiaume/Will Sirotnak

Chris Berthiaume/Will Sirotnak

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39 Spruce Street
East Longmeadow, MA 01028

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 ☒
Enhanced Data Package Required: ☐	
Email To:	beelferm@wseinc.com
Fax To #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AQ-10-20-1-1	9/12/17	1053		X	S	U
02	WS-AQ-10-20-1-2	9/12/17	1054		X	S	U
03	WS-AQ-10-20-1-3	9/12/17	1055		X	S	U
04	WS-AQ-10-20-2-1	9/12/17	1105		X	S	U
05	WS-AQ-10-20-2-2	9/12/17	1106		X	S	U
06	WS-AQ-10-20-2-3	9/12/17	1107		X	S	U
07	WS-AQ-10-20-6-1	9/12/17	1117		X	S	U
08	WS-AQ-10-20-6-2	9/12/17	1142		X	S	U
09	WS-AQ-10-20-6-3	9/12/17	1149		X	S	U
10	WS-AQ-10-20-6-4	9/12/17	1120		X	S	U

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 9/12/17 1445	Detection Limit Requirements
Received by: (signature)	Date/Time: 9/12/17 1445	
Relinquished by: (signature)	Date/Time: 9/12/17 1410	
Received by: (signature)	Date/Time: 9/12/17 1410	
Relinquished by: (signature)	Date/Time: 9/12/17 1410	RES DEC
Received by: (signature)	Date/Time: 9/12/17 1410	
Relinquished by: (signature)	Date/Time: 9/12/17 1410	
Received by: (signature)	Date/Time: 9/12/17 1410	

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DW Form Required
 PWSID # _____

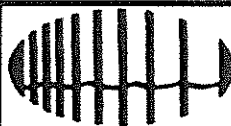
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

9/12/17 1410

39 Spruce St.
East Longmeadow, MA. 01028
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F: 413-525-6405
www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Wesley K Sampson

Received By RLE Date 9/12/17 Time 1610

How were the samples received? In Cooler T No Cooler On Ice T No Ice
Direct from Sampling Ambient Melted Ice

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp -4.7°C
By Blank # Actual Temp

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? 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
Meoh-	<u>2</u>	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	<u>4</u>	Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		<u>9/12/17 1610</u>

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

D:\HPCHEM\1\DATA\A092017\A0920030.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/20/17
 Data File Name A0920030.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	531733	588657	-10
c - 10	1.64	540713	588657	-8
c - 12	2.37	561631	588657	-5
c - 14	3.05	577096	588657	-2
c - 16	3.65	596317	588657	1
c - 18	4.29	595243	588657	1
o-Terphenyl	4.57	668113	588657	
c - 20	4.89	608312	588657	3
c - 22	5.39	624395	588657	6
c - 24	5.83	588340	588657	0
c - 26	6.23	624528	588657	6
c - 28	6.59	617616	588657	5
c - 30	6.92	608143	588657	3
c - 32	7.23	586507	588657	0
c - 34	7.53	585884	588657	0
c - 36	7.87	583391	588657	-1

* One compound allowed %D <= 50%

Samples

17I0466-02
 17I0539-08
 17I0539-09
 17I0539-10
 17I0539-11
 17I0719-09
 17I0719-15
 17I0719-08

D:\HPCHEM\1\DATA\A092017\A0920078.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/20/17
 Data File Name A0920078.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.30	612810	677806	-10
c - 10	1.64	621044	677806	-8
c - 12	2.37	641848	677806	-5
c - 14	3.04	657244	677806	-3
c - 16	3.65	675340	677806	0
c - 18	4.28	672951	677806	-1
o-Terphenyl	4.56	758306	677806	
c - 20	4.89	687984	677806	2
c - 22	5.39	707178	677806	4
c - 24	5.83	669125	677806	-1
c - 26	6.23	714791	677806	5
c - 28	6.59	713704	677806	5
c - 30	6.92	711731	677806	5
c - 32	7.23	693718	677806	2
c - 34	7.53	693077	677806	2
c - 36	7.87	694545	677806	2

* One compound allowed %D <= 50%

Samples

17I0462-01@5X
 17I0462-08@5X
 17I0517-02@5X
 17I0517-06@100X
 17I0517-08@5X
 17I0517-11@5X

D:\HPCHEM\1\DATA\A092017.SEC\A0920031.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/20/17
 Data File Name A0920031.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.28	541173	562711	-4
c - 10	1.62	549935	562711	-2
c - 12	2.34	566528	562711	1
c - 14	3.01	574189	562711	2
c - 16	3.61	582627	562711	4
c - 18	4.22	570510	562711	1
o-Terphenyl	4.51	631761	562711	
c - 20	4.83	572845	562711	2
c - 22	5.33	578821	562711	3
c - 24	5.77	538783	562711	-4
c - 26	6.16	569323	562711	1
c - 28	6.52	564215	562711	0
c - 30	6.85	562306	562711	0
c - 32	7.16	552003	562711	-2
c - 34	7.45	557640	562711	-1
c - 36	7.76	559760	562711	-1

* One compound allowed %D <= 50%

Samples

1710719-02@5X
 1710719-03@50X
 1710719-05@100X
 1710719-06@100X
 1710719-14@100X
 1710719-01@100X
 1710378-19@5X
 1710379-03@50X
 1710378-01@50X
 1710380-04@5X
 1710380-06@20X
 1710380-02@10X
 1710517-13

D:\HPCHEM\1\DATA\A092017.SEC\A0920079.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/20/17
 Data File Name A0920079.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.28	593179	621951	-5
c - 10	1.62	601870	621951	-3
c - 12	2.34	620530	621951	0
c - 14	3.01	631091	621951	1
c - 16	3.61	641967	621951	3
c - 18	4.22	630375	621951	1
o-Terphenyl	4.51	697469	621951	
c - 20	4.83	634151	621951	2
c - 22	5.33	640559	621951	3
c - 24	5.77	596341	621951	-4
c - 26	6.16	629258	621951	1
c - 28	6.52	625172	621951	1
c - 30	6.85	625957	621951	1
c - 32	7.16	616353	621951	-1
c - 34	7.45	620644	621951	0
c - 36	7.76	621823	621951	0

* One compound allowed %D <= 50%

Samples

17I0517-04
 17I0517-09
 17I0517-12
 17I0462-04
 17I0462-17
 17I0462-20
 17I0463-12
 17I0241-10RE1@5X



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0462

Laboratory Sample ID(s):

17I0462-01 thru 17I0462-20

Sample Date(s):

09/12/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☒ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☒ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☒ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☒ Yes ☐ No
5B	Were these reporting limits met?	☒ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☒ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 09/26/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

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,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 10/2/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710641

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	1710641-01	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-14-2R	1710641-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-14-3R	1710641-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-07-SO-15-1R	1710641-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-2-1R	1710641-05	Soil		SM 2540G SW-846 8270D	
WS-AOC-8-SO-4-1R	1710641-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-4-2R	1710641-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-8-SO-4-3R	1710641-08	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-4-1R	1710641-09	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-7-2R	1710641-10	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-9-1R	1710641-11	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-10-1R	1710641-12	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-16-2R	1710641-13	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-21-1R	1710641-14	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-23-4R	1710641-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-27-1R	1710641-16	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-31-1R	1710641-17	Soil		SM 2540G SW-846 8082A	
WS-AOC-9-SO-32-3R	1710641-18	Soil		SM 2540G SW-846 8270D	
WS-AOC-9-SO-35-3R	1710641-19	Soil		SM 2540G SW-846 8270D	
WS-AOC-9-SO-37-3R	1710641-20	Soil		SM 2540G SW-846 8270D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8082A

Qualifications:**H-06**

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

1710641-08RE1[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**

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[WS-AOC-9-SO-31-1R]

Decachlorobiphenyl [2C]

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[WS-AOC-9-SO-31-1R]

Tetrachloro-m-xylene

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[WS-AOC-9-SO-31-1R]

Tetrachloro-m-xylene [2C]

1710641-01[WS-AOC-07-SO-13-1R], 1710641-03[WS-AOC-07-SO-14-3R], 1710641-04[WS-AOC-07-SO-15-1R], 1710641-06[WS-AOC-8-SO-4-1R], 1710641-07[WS-AOC-8-SO-4-2R], 1710641-09[WS-AOC-9-SO-4-1R], 1710641-11[WS-AOC-9-SO-9-1R], 1710641-13[WS-AOC-9-SO-16-2R], 1710641-14[WS-AOC-9-SO-21-1R], 1710641-15[WS-AOC-9-SO-23-4R], 1710641-16[WS-AOC-9-SO-27-1R], 1710641-17[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**

1710641-08[WS-AOC-8-SO-4-3R]

Decachlorobiphenyl [2C]

1710641-08[WS-AOC-8-SO-4-3R]

Tetrachloro-m-xylene

1710641-08[WS-AOC-8-SO-4-3R]

Tetrachloro-m-xylene [2C]

1710641-08[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)**

1710641-05[WS-AOC-8-SO-2-1R], 1710641-05RE1[WS-AOC-8-SO-2-1R], 1710641-18[WS-AOC-9-SO-32-3R], 1710641-18RE1[WS-AOC-9-SO-32-3R], 1710641-19[WS-AOC-9-SO-35-3R], 1710641-20[WS-AOC-9-SO-37-3R], B186799-BLK1, B186799-BS1, B186799-BSD1, B186799-MS1

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]

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**

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Anthracene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(a)anthracene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(a)pyrene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(b)fluoranthene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(k)fluoranthene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Chrysene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Fluoranthene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Fluorene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Naphthalene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Phenanthrene

1710641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Pyrene

1710641-20[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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R

Sampled: 9/14/2017 08:25

Sample ID: 1710641-01

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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Sampled: 9/14/2017 08:25

Sample ID: 1710641-01

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R

Sampled: 9/14/2017 08:25

Sample ID: 1710641-01

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R

Sampled: 9/14/2017 08:30

Sample ID: 1710641-02

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							
Decachlorobiphenyl [2]	90.2	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	110	30-150							

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Sample Description:

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Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R

Sampled: 9/14/2017 08:30

Sample ID: 1710641-02

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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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R

Sampled: 9/14/2017 08:30

Sample ID: 1710641-02

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							
Decachlorobiphenyl [2]	71.5	30-150							
Tetrachloro-m-xylene [1]	79.2	30-150							
Tetrachloro-m-xylene [2]	77.3	30-150							