

39 Spruce Street * 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							

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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	

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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

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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-17-2

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							

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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-17-2

Sampled: 7/28/2017 11:52

Sample ID: 17G1308-02

Sample Matrix: Soil

Petroleum 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	

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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-17-2

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

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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

Polychlorinated 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							
Decachlorobiphenyl [2]	93.0	30-150							
Tetrachloro-m-xylene [1]	81.7	30-150							
Tetrachloro-m-xylene [2]	90.3	30-150							

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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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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						8/19/17 16:33	
Decachlorobiphenyl [2]	100	30-150						8/19/17 16:33	
Tetrachloro-m-xylene [1]	104	30-150						8/19/17 16:33	
Tetrachloro-m-xylene [2]	112	30-150						8/19/17 16:33	

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

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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	

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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

Conventional 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

39 Spruce Street * 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

Polychlorinated 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					8/19/17 16:51	
Decachlorobiphenyl [2]		100	30-150					8/19/17 16:51	
Tetrachloro-m-xylene [1]		92.3	30-150					8/19/17 16:51	
Tetrachloro-m-xylene [2]		101	30-150					8/19/17 16:51	

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

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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	

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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

Conventional 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

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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-16-3

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							

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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-16-3

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	

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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-16-3

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							
Decachlorobiphenyl [2]	85.1	30-150							
Tetrachloro-m-xylene [1]	88.2	30-150							
Tetrachloro-m-xylene [2]	96.3	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-19-1

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	

39 Spruce Street * 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

Conventional 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						8/19/17 18:02	
Decachlorobiphenyl [2]	81.7	30-150						8/19/17 18:02	
Tetrachloro-m-xylene [1]	85.2	30-150						8/19/17 18:02	
Tetrachloro-m-xylene [2]	94.7	30-150						8/19/17 18:02	

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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	

39 Spruce Street * 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-19-3

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							

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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

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

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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

Polychlorinated 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							
Decachlorobiphenyl [2]	80.2	30-150							
Tetrachloro-m-xylene [1]	76.8	30-150							
Tetrachloro-m-xylene [2]	82.6	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-18-3

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

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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

Polychlorinated 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							
Decachlorobiphenyl [2]	111	30-150							
Tetrachloro-m-xylene [1]	93.2	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: 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

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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

Polychlorinated 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

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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

Polychlorinated 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

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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

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							

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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

Polychlorinated 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							
Decachlorobiphenyl [2]	83.9	30-150							
Tetrachloro-m-xylene [1]	89.5	30-150							
Tetrachloro-m-xylene [2]	98.9	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-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							

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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-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							
Decachlorobiphenyl [2]	80.2	30-150							
Tetrachloro-m-xylene [1]	81.7	30-150							
Tetrachloro-m-xylene [2]	88.5	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-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-BS1)

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			

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

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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****WS-AOC7-SO-17-2***SW-846 8082A*

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****WS-AOC7-SO-18-1***SW-846 8082A*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-AOC7-SO-17-1	7/28/17	11:50		X	S	U
02	WS-AOC7-SO-17-2		11:52				
03	WS-AOC7-SO-17-3		11:54				
04	WS-AOC7-SO-16-1		12:00				
05	WS-AOC7-SO-16-2		12:02				
06	WS-AOC7-SO-16-3		12:04				
07	WS-AOC7-SO-19-1		11:00				
08	WS-AOC7-SO-19-2		11:02				
09	WS-AOC7-SO-19-3		11:04				
10	WS-AOC7-SO-18-1		9:40				

Comments:

WS-AOC7-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

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

Relinquished by: (signature) Date/Time: 7/28/17 1530

Received by: (signature) Date/Time: 7/28/17 1331

Relinquished by: (signature) Date/Time: 7/28/17 1645

Received by: (signature) Date/Time: 7/28/17 1645

Relinquished by: (signature) Date/Time: 7/28/17 1645

Received by: (signature) Date/Time: 7/28/17 1645

Relinquished by: (signature) Date/Time: 7/28/17 1645

Received by: (signature) Date/Time: 7/28/17 1645

Relinquished by: (signature) Date/Time: 7/28/17 1645

Received by: (signature) Date/Time: 7/28/17 1645

Relinquished by: (signature) Date/Time: 7/28/17 1645

Received by: (signature) Date/Time: 7/28/17 1645

of Containers

Preservation Code

Container Code

ANALYSIS REQUESTED

VOCs

ASR IS Metals

SVOCs

ETPH

PAH

(Soxhlet) PCBs

Field Filtered

Lab to Filter

Field Filtered

Lab to Filter

Matrix Codes:

GW = Ground Water

WW = Waste Water

DW = Drinking Water

A = Air

S = Soil/Solid

SL = Sludge

O = Other (please define)

Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfate

X = Sodium Hydroxide

T = Sodium Thiosulfate

O = Other (please define)

Container Codes:

A = Amber Glass

G = Glass

P = Plastic

ST = Sterile

V = Vial

S = Summa Canister

T = Tedlar Bag

O = Other (please define)

Program Information

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

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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7/28/17 1645

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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 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

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? NA

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH?

MS/MSD? T

Is splitting samples required? F

On COC? NA

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		7/28/17 11:45	

Unused Media

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

Comments:

D:\HPCHEM\1\DATA\A080817\A0808026.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808026.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	388980	411456	-5
c - 10	1.64	396998	411456	-4
c - 12	2.37	411639	411456	0
c - 14	3.05	421922	411456	3
c - 16	3.66	430652	411456	5
c - 18	4.29	421549	411456	2
o-Terphenyl	4.57	462441	411456	
c - 20	4.90	423660	411456	3
c - 22	5.40	424781	411456	3
c - 24	5.84	392353	411456	-5
c - 26	6.24	411491	411456	0
c - 28	6.60	408915	411456	-1
c - 30	6.93	411875	411456	0
c - 32	7.25	406095	411456	-1
c - 34	7.55	410201	411456	0
c - 36	7.90	410728	411456	0

* One compound allowed %D <= 50%

Samples

17G1436-03
 17G1436-10
 17G1436-16
 17G1436-18

D:\HPCHEM\1\DATA\A080817\A0808056.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808056.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%%D +/- 20
c - 9	1.29	383797	405490	-5
c - 10	1.64	393392	405490	-3
c - 12	2.37	407478	405490	0
c - 14	3.05	416808	405490	3
c - 16	3.66	424484	405490	5
c - 18	4.29	416419	405490	3
o-Terphenyl	4.57	456536	405490	
c - 20	4.90	416752	405490	3
c - 22	5.40	418018	405490	3
c - 24	5.84	386270	405490	-5
c - 26	6.24	404998	405490	0
c - 28	6.60	401550	405490	-1
c - 30	6.93	403933	405490	0
c - 32	7.25	399548	405490	-1
c - 34	7.55	403584	405490	0
c - 36	7.90	405319	405490	0

* One compound allowed %D <= 50%

Samples

17G1308-06@5X
 17G1308-07@10X
 17G1308-08@10X
 17G1308-09@5X
 17G1308-10@5X
 17G1308-11@5X
 17G1306-16@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808027.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808027.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	501091	527474	-5
c - 10	1.62	509918	527474	-3
c - 12	2.34	523832	527474	-1
c - 14	3.01	534044	527474	1
c - 16	3.61	544812	527474	3
c - 18	4.23	538107	527474	2
o-Terphenyl	4.51	603381	527474	
c - 20	4.83	545360	527474	3
c - 22	5.34	555321	527474	5
c - 24	5.78	518184	527474	-2
c - 26	6.17	544315	527474	3
c - 28	6.53	534693	527474	1
c - 30	6.86	529438	527474	0
c - 32	7.17	513011	527474	-3
c - 34	7.46	510904	527474	-3
c - 36	7.78	509084	527474	-3

* One compound allowed %D <= 50%

Samples

17G1427-08
 17G1420-03
 17H0095-01
 17G1436-06@5X
 17H0128-01@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808057.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808057.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	513475	550925	-7
c - 10	1.63	527505	550925	-4
c - 12	2.34	545732	550925	-1
c - 14	3.01	555761	550925	1
c - 16	3.61	566695	550925	3
c - 18	4.23	559895	550925	2
o-Terphenyl	4.51	629289	550925	
c - 20	4.83	568081	550925	3
c - 22	5.34	577653	550925	5
c - 24	5.78	539940	550925	-2
c - 26	6.17	569107	550925	3
c - 28	6.53	560263	550925	2
c - 30	6.86	557230	550925	1
c - 32	7.17	541079	550925	-2
c - 34	7.46	539966	550925	-2
c - 36	7.78	541485	550925	-2

* One compound allowed %D <= 50%

Samples

17G1308-01@5X
 17G1308-02@10X
 17G1308-04@5X
 17G1308-12
 17G1308-09

D:\HPCHEM\1\DATA\A080817.SEC\A0808091.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808091.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	510955	541042	-6
c - 10	1.63	525974	541042	-3
c - 12	2.35	543074	541042	0
c - 14	3.01	551824	541042	2
c - 16	3.62	561754	541042	4
c - 18	4.23	554097	541042	2
o-Terphenyl	4.51	619051	541042	
c - 20	4.84	559993	541042	4
c - 22	5.34	567172	541042	5
c - 24	5.78	527365	541042	-3
c - 26	6.17	552723	541042	2
c - 28	6.53	542504	541042	0
c - 30	6.86	539598	541042	0
c - 32	7.17	526274	541042	-3
c - 34	7.46	526655	541042	-3
c - 36	7.78	525668	541042	-3

* One compound allowed %D <= 50%

Samples

17H0128-02
 17G1436-01

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.

August 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: 17G1309

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: 8/11/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1309

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-15-3	17G1309-01	Soil		SM 2540G	
				SW-846 8082A	
Trip Blank	17G1309-02	Trip Blank Soil		SW-846 8260C	
WS-AOC9-SO-Dup-31	17G1309-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC9-SO-Dup-32	17G1309-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-Dup-33	17G1309-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-Dup-34	17G1309-06	Soil		SM 2540G	
				SW-846 8082A	
WIPE-1	17G1309-07	Wipe		SW-846 8082A	
WIPE-2	17G1309-08	Wipe		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

SW-846 8082A

Qualifications:**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**

17G1309-05[WS-AOC9-SO-Dup-33]

Decachlorobiphenyl [2C]

17G1309-05[WS-AOC9-SO-Dup-33]

Tetrachloro-m-xylene

17G1309-05[WS-AOC9-SO-Dup-33]

Tetrachloro-m-xylene [2C]

17G1309-05[WS-AOC9-SO-Dup-33]

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: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-15-3

Sampled: 7/28/2017 12:54

Sample ID: 17G1309-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:33	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150						8/8/17 18:33	
Decachlorobiphenyl [2]	116	30-150						8/8/17 18:33	
Tetrachloro-m-xylene [1]	100	30-150						8/8/17 18:33	
Tetrachloro-m-xylene [2]	104	30-150						8/8/17 18:33	

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

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

Sample Description:

Work Order: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-15-3

Sampled: 7/28/2017 12:54

Sample ID: 17G1309-01

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	76.6		% 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: 17G1309

Date Received: 7/28/2017

Field Sample #: Trip Blank

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-02

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 15:21	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	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: 17G1309

Date Received: 7/28/2017

Field Sample #: Trip Blank

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-02

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 15:21	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	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 15:21	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:21	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.6	70-130						8/2/17 15:21	
Toluene-d8	91.8	70-130						8/2/17 15:21	
4-Bromofluorobenzene	85.7	70-130						8/2/17 15:21	

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

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

Sample Description:

Work Order: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-31

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-03

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	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/3/17	8/5/17 21:34	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	76.4	30-130							
2-Fluorobiphenyl	71.5	30-130							
p-Terphenyl-d14	80.6	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: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-31

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	310	200	mg/Kg dry	10		CTDEP ETPH	8/9/17	8/11/17 11:54	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	80.5		50-150					8/11/17 11:54	

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

Sample Description:

Work Order: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-31

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-03

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	97.8		% 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: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-32

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-04

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	8/8/17 18:51	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Aroclor-1260 [1]	0.59	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 18:51	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.7	30-150						8/8/17 18:51	
Decachlorobiphenyl [2]	96.9	30-150						8/8/17 18:51	
Tetrachloro-m-xylene [1]	92.5	30-150						8/8/17 18:51	
Tetrachloro-m-xylene [2]	97.1	30-150						8/8/17 18:51	

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

Sample Description:

Work Order: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-32

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-04

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	91.6		% 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: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-33

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-05

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	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1254 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1260 [1]	3.1	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Aroclor-1268 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	8/7/17	8/9/17 5:51	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/9/17 5:51	
Decachlorobiphenyl [2]	*	30-150			S-01			8/9/17 5:51	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/9/17 5:51	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/9/17 5:51	

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

Sample Description:

Work Order: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-33

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% 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: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-34

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/8/17 19:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						8/8/17 19:27	
Decachlorobiphenyl [2]	106	30-150						8/8/17 19:27	
Tetrachloro-m-xylene [1]	98.3	30-150						8/8/17 19:27	
Tetrachloro-m-xylene [2]	105	30-150						8/8/17 19:27	

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

Sample Description:

Work Order: 17G1309

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-Dup-34

Sampled: 7/28/2017 00:00

Sample ID: 17G1309-06

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	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: 17G1309

Date Received: 7/28/2017

Field Sample #: WIPE-1

Sampled: 7/28/2017 13:10

Sample ID: 17G1309-07

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1254 [1]	0.48	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1260 [2]	1.9	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.3	30-150							
Decachlorobiphenyl [2]	97.2	30-150							
Tetrachloro-m-xylene [1]	89.0	30-150							
Tetrachloro-m-xylene [2]	93.8	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: 17G1309

Date Received: 7/28/2017

Field Sample #: WIPE-2

Sampled: 7/28/2017 13:15

Sample ID: 17G1309-08

Sample Matrix: Wipe

Polychlorinated 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	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1260 [2]	0.43	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/5/17	8/9/17 11:44	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.1	30-150							
Decachlorobiphenyl [2]	92.0	30-150							
Tetrachloro-m-xylene [1]	88.6	30-150							
Tetrachloro-m-xylene [2]	95.2	30-150							

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

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1309-03RE1 [WS-AOC9-SO-Dup-31]	B183688	30.0	2.00	08/09/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1309-01 [WS-AOC9-SO-15-3]	B183315	08/04/17
17G1309-03 [WS-AOC9-SO-Dup-31]	B183315	08/04/17
17G1309-04 [WS-AOC9-SO-Dup-32]	B183315	08/04/17
17G1309-05 [WS-AOC9-SO-Dup-33]	B183315	08/04/17
17G1309-06 [WS-AOC9-SO-Dup-34]	B183315	08/04/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1309-01 [WS-AOC9-SO-15-3]	B183513	10.0	10.0	08/07/17
17G1309-04 [WS-AOC9-SO-Dup-32]	B183513	10.0	10.0	08/07/17
17G1309-05 [WS-AOC9-SO-Dup-33]	B183513	10.0	10.0	08/07/17
17G1309-06 [WS-AOC9-SO-Dup-34]	B183513	10.0	10.0	08/07/17

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
17G1309-07 [WIPE-1]	B183416	1.00	10.0	08/05/17
17G1309-08 [WIPE-2]	B183416	1.00	10.0	08/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1309-02 [Trip Blank]	B183156	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
17G1309-03 [WS-AOC9-SO-Dup-31]	B183212	30.0	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
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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

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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 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
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 B183416 - SW-846 3540C
Blank (B183416-BLK1)

Prepared: 08/05/17 Analyzed: 08/09/17

Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	2.00		µg/Wipe	2.00		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.10		µg/Wipe	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	1.87		µg/Wipe	2.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.95		µg/Wipe	2.00		97.5	30-150			

LCS (B183416-BS1)

Prepared: 08/05/17 Analyzed: 08/09/17

Aroclor-1016	0.53	0.20	µg/Wipe	0.500		107	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/Wipe	0.500		109	40-140			
Aroclor-1260	0.45	0.20	µg/Wipe	0.500		90.0	40-140			
Aroclor-1260 [2C]	0.47	0.20	µg/Wipe	0.500		93.4	40-140			
Surrogate: Decachlorobiphenyl	1.88		µg/Wipe	2.00		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.99		µg/Wipe	2.00		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.77		µg/Wipe	2.00		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.85		µg/Wipe	2.00		92.4	30-150			

LCS Dup (B183416-BSD1)

Prepared: 08/05/17 Analyzed: 08/09/17

Aroclor-1016	0.55	0.20	µg/Wipe	0.500		110	40-140	2.37	30	
Aroclor-1016 [2C]	0.56	0.20	µg/Wipe	0.500		112	40-140	2.73	30	
Aroclor-1260	0.47	0.20	µg/Wipe	0.500		94.1	40-140	4.40	30	
Aroclor-1260 [2C]	0.48	0.20	µg/Wipe	0.500		96.5	40-140	3.25	30	
Surrogate: Decachlorobiphenyl	1.95		µg/Wipe	2.00		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.07		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	1.82		µg/Wipe	2.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.90		µg/Wipe	2.00		94.9	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 B183513 - SW-846 3540C
Blank (B183513-BLK1)

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

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	0.186		mg/Kg wet	0.200		92.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.171		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.172		mg/Kg wet	0.200		86.1	30-150			

LCS (B183513-BS1)

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

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.1	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		76.0	40-140			
Surrogate: Decachlorobiphenyl	0.187		mg/Kg wet	0.200		93.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		90.8	30-150			

LCS Dup (B183513-BS1)

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

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.6	40-140	3.82	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.0	40-140	3.88	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.5	40-140	5.63	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.9	40-140	6.30	30	
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		96.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.184		mg/Kg wet	0.200		92.1	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 B183432 - SW-846 3546										
Blank (B183432-BLK1)				Prepared: 08/06/17 Analyzed: 08/07/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.70		mg/Kg wet	3.33		80.9	50-150			
Batch B183688 - SW-846 3546										
Blank (B183688-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.64		mg/Kg wet	3.33		79.3	50-150			
LCS (B183688-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120			
Surrogate: o-Terphenyl	2.66		mg/Kg wet	3.33		79.9	50-150			
LCS Dup (B183688-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120	0.00241	30	
Surrogate: o-Terphenyl	2.51		mg/Kg wet	3.33		75.4	50-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-Dup-32

Lab Sample ID: 17G1309-04 Date(s) Analyzed: 08/08/2017 08/08/2017
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	0.59	
	2	0.000	-0.030	0.030	0.58	1.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-Dup-33**

Lab Sample ID: 17G1309-05 Date(s) Analyzed: 08/09/2017 08/09/2017
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	3.1	
	2	0.000	-0.030	0.030	2.8	10.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WIPE-1

Lab Sample ID: 17G1309-07 Date(s) Analyzed: 08/09/2017 08/09/2017

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-1254	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.47	2.1
Aroclor-1260	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.9	11.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WIPE-2**Lab Sample ID: 17G1309-08 Date(s) Analyzed: 08/09/2017 08/09/2017

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	0.40	
	2	0.000	0.000	0.000	0.43	7.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
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



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotek

Fax To #:

Enhanced Data Package Required: ☐

Email To: beelerm@wseinc.com

Format: PDF ☒ EXCEL ☒

Other: Data Delivery

1-Day ☐ 3-Day ☐ 5-Day ☐

2-Day ☐ 4-Day ☐

7-Day ☒ 10-Day ☐

Other: ☐

Requested Turnaround Time

Chain of Custody Record

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East Longmeadow, MA. 01028
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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 Western 3 Sampson

Received By RLF Date 7/28/17 Time 1645

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? NA

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

Were trip blanks received? T On COC? T

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	5
Meoh-	1	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	2
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	1	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		<u>7/28/17 1645</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\A080717\A0807048.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/7/17
Data File Name A0807048.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	413869	438678	-6
c - 10	1.64	427817	438678	-2
c - 12	2.37	442897	438678	1
c - 14	3.04	450884	438678	3
c - 16	3.65	460485	438678	5
c - 18	4.29	452368	438678	3
o-Terphenyl	4.57	493032	438678	
c - 20	4.89	453071	438678	3
c - 22	5.40	453851	438678	3
c - 24	5.84	418112	438678	-5
c - 26	6.23	437582	438678	0
c - 28	6.60	433678	438678	-1
c - 30	6.93	435063	438678	-1
c - 32	7.25	429774	438678	-2
c - 34	7.54	434901	438678	-1
c - 36	7.90	435822	438678	-1

* One compound allowed %D <= 50%

Samples

17H0210-01
17G1252-19RE1@10X
17G1307-14@5X

D:\HPCHEM\1\DATA\A080717.SEC\A0807049.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/7/17
 Data File Name A0807049.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	560741	599900	-7
c - 10	1.63	580393	599900	-3
c - 12	2.34	599002	599900	0
c - 14	3.01	607792	599900	1
c - 16	3.61	620074	599900	3
c - 18	4.23	612161	599900	2
o-Terphenyl	4.51	684844	599900	
c - 20	4.83	621532	599900	4
c - 22	5.34	631356	599900	5
c - 24	5.77	589308	599900	-2
c - 26	6.17	619866	599900	3
c - 28	6.53	608853	599900	1
c - 30	6.86	604230	599900	1
c - 32	7.17	583955	599900	-3
c - 34	7.46	581396	599900	-3
c - 36	7.78	577841	599900	-4

* One compound allowed %D <= 50%

Samples

17G1252-02RE1
 17G1252-09RE1
 17H0269-01
 17G1256-03@50X
 17G1256-10@100X
 17G1309-03
 17G1307-08
 17G1252-14RE1

D:\HPCHEM\1\DATA\A081017\A0810136.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/11/17
 Data File Name A0810136.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	435358	470258	-7
c - 10	1.64	456223	470258	-3
c - 12	2.37	471193	470258	0
c - 14	3.05	478981	470258	2
c - 16	3.66	487842	470258	4
c - 18	4.29	479938	470258	2
o-Terphenyl	4.57	529315	470258	
c - 20	4.90	482405	470258	3
c - 22	5.40	485267	470258	3
c - 24	5.84	448462	470258	-5
c - 26	6.24	470109	470258	0
c - 28	6.60	467341	470258	-1
c - 30	6.93	473368	470258	1
c - 32	7.25	471057	470258	0
c - 34	7.54	474019	470258	1
c - 36	7.89	472309	470258	0

* One compound allowed %D <= 50%

Samples

17H0060-12@50X
 17H0060-15@25X
 17H0060-08@25X
 17G1309-03RE1@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: 17G1309

Laboratory Sample ID(s):

17G1309-01 thru 17G1309-08

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: 08/11/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 22, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17G1420

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 horizontal flourish extending to the right.

James M. Georgantas
Project Manager

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

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

REPORT DATE: 8/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1420

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-18-1	17G1420-01	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-18-2	17G1420-02	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-18-3	17G1420-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC9-SO-17-1	17G1420-04	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-17-2	17G1420-05	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-17-3	17G1420-06	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-19-1	17G1420-07	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-19-2	17G1420-08	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-19-3	17G1420-09	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-20-1	17G1420-10	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-20-2	17G1420-11	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-20-3	17G1420-12	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-21-1	17G1420-13	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-21-2	17G1420-14	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-21-3	17G1420-15	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-22-1	17G1420-16	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-22-2	17G1420-17	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-22-3	17G1420-18	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-23-1	17G1420-19	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: 8/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1420

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-23-2	17G1420-20	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**

B183455-BSD1

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**

17G1420-13[WS-AOC9-SO-21-1]

Decachlorobiphenyl [2C]

17G1420-13[WS-AOC9-SO-21-1]

Tetrachloro-m-xylene

17G1420-13[WS-AOC9-SO-21-1]

Tetrachloro-m-xylene [2C]

17G1420-13[WS-AOC9-SO-21-1]

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-01

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	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1260 [1]	0.31	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.3	30-150							
Decachlorobiphenyl [2]	61.5	30-150							
Tetrachloro-m-xylene [1]	55.8	30-150							
Tetrachloro-m-xylene [2]	61.4	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-01

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	93.0		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-2

Sampled: 7/31/2017 09:41

Sample ID: 17G1420-02

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	8/21/17 17:00	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1260 [2]	0.17	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	97.8	30-150							
Tetrachloro-m-xylene [1]	89.6	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-2

Sampled: 7/31/2017 09:41

Sample ID: 17G1420-02

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	87.7		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

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	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Acenaphthylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(a)anthracene	0.90	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(a)pyrene	0.93	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(b)fluoranthene	1.1	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(g,h,i)perylene	0.71	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(k)fluoranthene	0.38	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Chrysene	0.89	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Dibenz(a,h)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Fluoranthene	1.1	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Fluorene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Indeno(1,2,3-cd)pyrene	0.64	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
2-Methylnaphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Naphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Phenanthrene	0.52	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Pyrene	1.5	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	86.2	30-130							
2-Fluorobiphenyl	64.9	30-130							
p-Terphenyl-d14	80.9	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150						8/21/17 17:18	
Decachlorobiphenyl [2]	93.9	30-150						8/21/17 17:18	
Tetrachloro-m-xylene [1]	87.9	30-150						8/21/17 17:18	
Tetrachloro-m-xylene [2]	92.8	30-150						8/21/17 17:18	

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

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	14	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 13:22	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	67.2		50-150					8/8/17 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

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	71.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-04

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	8/8/17	8/21/17 17:36	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1260 [1]	0.87	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150							
Decachlorobiphenyl [2]	95.5	30-150							
Tetrachloro-m-xylene [1]	87.1	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-04

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	89.0		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-2

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-05

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	8/21/17 17:54	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1260 [2]	0.20	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	95.3	30-150							
Tetrachloro-m-xylene [1]	87.1	30-150							
Tetrachloro-m-xylene [2]	92.7	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-2

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-05

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	96.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-3

Sampled: 7/31/2017 09:44

Sample ID: 17G1420-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	93.5	30-150							
Tetrachloro-m-xylene [1]	81.3	30-150							
Tetrachloro-m-xylene [2]	86.3	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-3

Sampled: 7/31/2017 09:44

Sample ID: 17G1420-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-1

Sampled: 7/31/2017 09:50

Sample ID: 17G1420-07

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	8/8/17	8/21/17 18:30	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1260 [1]	1.2	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150						8/21/17 18:30	
Decachlorobiphenyl [2]	98.8	30-150						8/21/17 18:30	
Tetrachloro-m-xylene [1]	89.3	30-150						8/21/17 18:30	
Tetrachloro-m-xylene [2]	94.6	30-150						8/21/17 18:30	

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-1

Sampled: 7/31/2017 09:50

Sample ID: 17G1420-07

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	95.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-2

Sampled: 7/31/2017 09:52

Sample ID: 17G1420-08

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	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	112	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	95.9	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-2

Sampled: 7/31/2017 09:52

Sample ID: 17G1420-08

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	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-3

Sampled: 7/31/2017 09:54

Sample ID: 17G1420-09

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	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1254 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	105		30-150				8/21/17 19:06		
Decachlorobiphenyl [2]	95.1		30-150				8/21/17 19:06		
Tetrachloro-m-xylene [1]	85.3		30-150				8/21/17 19:06		
Tetrachloro-m-xylene [2]	90.2		30-150				8/21/17 19:06		

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-3

Sampled: 7/31/2017 09:54

Sample ID: 17G1420-09

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	52.7		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-1

Sampled: 7/31/2017 10:05

Sample ID: 17G1420-10

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	8/8/17	8/21/17 19:24	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1260 [1]	0.53	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	94.9	30-150							
Tetrachloro-m-xylene [1]	88.0	30-150							
Tetrachloro-m-xylene [2]	92.7	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-1

Sampled: 7/31/2017 10:05

Sample ID: 17G1420-10

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	94.0		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-2

Sampled: 7/31/2017 10:06

Sample ID: 17G1420-11

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	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	87.5	30-150							
Tetrachloro-m-xylene [2]	93.5	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-2

Sampled: 7/31/2017 10:06

Sample ID: 17G1420-11

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	96.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-3

Sampled: 7/31/2017 10:07

Sample ID: 17G1420-12

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	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	114	30-150						8/21/17 20:49	
Decachlorobiphenyl [2]	102	30-150						8/21/17 20:49	
Tetrachloro-m-xylene [1]	95.4	30-150						8/21/17 20:49	
Tetrachloro-m-xylene [2]	99.8	30-150						8/21/17 20:49	

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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-3

Sampled: 7/31/2017 10:07

Sample ID: 17G1420-12

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	59.3		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-1

Sampled: 7/31/2017 10:20

Sample ID: 17G1420-13

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	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1260 [1]	5.2	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/22/17 7:37	
Decachlorobiphenyl [2]	*	30-150			S-01			8/22/17 7:37	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/22/17 7:37	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/22/17 7:37	

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-1

Sampled: 7/31/2017 10:20

Sample ID: 17G1420-13

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	95.4		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-2

Sampled: 7/31/2017 10:22

Sample ID: 17G1420-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	113	30-150						8/21/17 21:25	
Decachlorobiphenyl [2]	101	30-150						8/21/17 21:25	
Tetrachloro-m-xylene [1]	90.0	30-150						8/21/17 21:25	
Tetrachloro-m-xylene [2]	93.8	30-150						8/21/17 21:25	

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-2

Sampled: 7/31/2017 10:22

Sample ID: 17G1420-14

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	92.4		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-3

Sampled: 7/31/2017 10:24

Sample ID: 17G1420-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	97.0	30-150							
Tetrachloro-m-xylene [1]	78.3	30-150							
Tetrachloro-m-xylene [2]	82.6	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-3

Sampled: 7/31/2017 10:24

Sample ID: 17G1420-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-1

Sampled: 7/31/2017 10:30

Sample ID: 17G1420-16

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	8/8/17	8/21/17 22:01	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	96.2	30-150							
Tetrachloro-m-xylene [1]	89.3	30-150							
Tetrachloro-m-xylene [2]	91.3	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-1

Sampled: 7/31/2017 10:30

Sample ID: 17G1420-16

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	8/5/17	8/7/17 6:28	MRL

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-2

Sampled: 7/31/2017 10:32

Sample ID: 17G1420-17

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	8/21/17 22:19	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	96.3	30-150							
Tetrachloro-m-xylene [1]	86.5	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-2

Sampled: 7/31/2017 10:32

Sample ID: 17G1420-17

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	92.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-3

Sampled: 7/31/2017 10:34

Sample ID: 17G1420-18

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	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150							
Decachlorobiphenyl [2]	97.0	30-150							
Tetrachloro-m-xylene [1]	91.0	30-150							
Tetrachloro-m-xylene [2]	93.1	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-3

Sampled: 7/31/2017 10:34

Sample ID: 17G1420-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.1		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-1

Sampled: 7/31/2017 10:40

Sample ID: 17G1420-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	117	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	96.8	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-1

Sampled: 7/31/2017 10:40

Sample ID: 17G1420-19

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	97.4		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-2

Sampled: 7/31/2017 10:41

Sample ID: 17G1420-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1260 [2]	0.86	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	117	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	98.2	30-150							
Tetrachloro-m-xylene [2]	99.2	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-2

Sampled: 7/31/2017 10:41

Sample ID: 17G1420-20

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	95.7		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	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
17G1420-03 [WS-AOC9-SO-18-3]	B183455	30.0	1.00	08/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1420-01 [WS-AOC9-SO-18-1]	B183388	08/05/17
17G1420-02 [WS-AOC9-SO-18-2]	B183388	08/05/17
17G1420-03 [WS-AOC9-SO-18-3]	B183388	08/05/17
17G1420-04 [WS-AOC9-SO-17-1]	B183388	08/05/17
17G1420-05 [WS-AOC9-SO-17-2]	B183388	08/05/17
17G1420-06 [WS-AOC9-SO-17-3]	B183388	08/05/17
17G1420-07 [WS-AOC9-SO-19-1]	B183388	08/05/17
17G1420-08 [WS-AOC9-SO-19-2]	B183388	08/05/17
17G1420-09 [WS-AOC9-SO-19-3]	B183388	08/05/17
17G1420-10 [WS-AOC9-SO-20-1]	B183388	08/05/17
17G1420-11 [WS-AOC9-SO-20-2]	B183388	08/05/17
17G1420-12 [WS-AOC9-SO-20-3]	B183388	08/05/17
17G1420-13 [WS-AOC9-SO-21-1]	B183388	08/05/17
17G1420-14 [WS-AOC9-SO-21-2]	B183388	08/05/17
17G1420-15 [WS-AOC9-SO-21-3]	B183388	08/05/17
17G1420-16 [WS-AOC9-SO-22-1]	B183388	08/05/17
17G1420-17 [WS-AOC9-SO-22-2]	B183388	08/05/17
17G1420-18 [WS-AOC9-SO-22-3]	B183388	08/05/17
17G1420-19 [WS-AOC9-SO-23-1]	B183388	08/05/17
17G1420-20 [WS-AOC9-SO-23-2]	B183388	08/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1420-01 [WS-AOC9-SO-18-1]	B183605	10.3	10.0	08/08/17
17G1420-02 [WS-AOC9-SO-18-2]	B183605	10.1	10.0	08/08/17
17G1420-03 [WS-AOC9-SO-18-3]	B183605	10.0	10.0	08/08/17
17G1420-04 [WS-AOC9-SO-17-1]	B183605	10.2	10.0	08/08/17
17G1420-05 [WS-AOC9-SO-17-2]	B183605	10.1	10.0	08/08/17
17G1420-06 [WS-AOC9-SO-17-3]	B183605	10.2	10.0	08/08/17
17G1420-07 [WS-AOC9-SO-19-1]	B183605	10.1	10.0	08/08/17
17G1420-08 [WS-AOC9-SO-19-2]	B183605	10.5	10.0	08/08/17
17G1420-09 [WS-AOC9-SO-19-3]	B183605	10.2	10.0	08/08/17
17G1420-10 [WS-AOC9-SO-20-1]	B183605	10.5	10.0	08/08/17
17G1420-11 [WS-AOC9-SO-20-2]	B183605	10.2	10.0	08/08/17
17G1420-12 [WS-AOC9-SO-20-3]	B183605	10.0	10.0	08/08/17
17G1420-13 [WS-AOC9-SO-21-1]	B183605	10.3	10.0	08/08/17
17G1420-14 [WS-AOC9-SO-21-2]	B183605	10.6	10.0	08/08/17
17G1420-15 [WS-AOC9-SO-21-3]	B183605	10.4	10.0	08/08/17
17G1420-16 [WS-AOC9-SO-22-1]	B183605	10.0	10.0	08/08/17
17G1420-17 [WS-AOC9-SO-22-2]	B183605	10.1	10.0	08/08/17
17G1420-18 [WS-AOC9-SO-22-3]	B183605	10.4	10.0	08/08/17
17G1420-19 [WS-AOC9-SO-23-1]	B183605	10.6	10.0	08/08/17
17G1420-20 [WS-AOC9-SO-23-2]	B183605	10.0	10.0	08/08/17

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1420-03 [WS-AOC9-SO-18-3]	B183610	30.0	1.00	08/08/17

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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 B183610 - SW-846 3546
Blank (B183610-BLK1)

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

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	3.00		mg/Kg wet	3.33		89.9	30-130			
Surrogate: 2-Fluorobiphenyl	3.02		mg/Kg wet	3.33		90.6	30-130			
Surrogate: p-Terphenyl-d14	3.71		mg/Kg wet	3.33		111	30-130			

LCS (B183610-BS1)

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

Acenaphthene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Acenaphthylene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140			
Benzo(a)anthracene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140			
Benzo(a)pyrene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140			
Benzo(b)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(g,h,i)perylene	1.47	0.17	mg/Kg wet	1.67		88.3	40-140			
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Chrysene	1.26	0.17	mg/Kg wet	1.67		75.7	40-140			
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.3	40-140			
Fluoranthene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140			
Fluorene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140			
Indeno(1,2,3-cd)pyrene	1.38	0.17	mg/Kg wet	1.67		83.0	40-140			
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140			
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140			
Phenanthrene	1.22	0.17	mg/Kg wet	1.67		73.4	40-140			
Pyrene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140			
Surrogate: Nitrobenzene-d5	2.88		mg/Kg wet	3.33		86.4	30-130			
Surrogate: 2-Fluorobiphenyl	3.13		mg/Kg wet	3.33		94.0	30-130			
Surrogate: p-Terphenyl-d14	3.42		mg/Kg wet	3.33		103	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183610 - SW-846 3546										
LCS Dup (B183610-BSD1)					Prepared: 08/08/17 Analyzed: 08/09/17					
Acenaphthene	1.16	0.17	mg/Kg wet	1.67		69.5	40-140	3.40	30	
Acenaphthylene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140	3.88	30	
Anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140	0.997	30	
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140	3.26	30	
Benzo(a)pyrene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140	3.76	30	
Benzo(b)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	12.7	30	
Benzo(g,h,i)perylene	1.45	0.17	mg/Kg wet	1.67		87.1	40-140	1.35	30	
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140	1.90	30	
Chrysene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140	4.34	30	
Dibenz(a,h)anthracene	1.40	0.17	mg/Kg wet	1.67		83.7	40-140	0.738	30	
Fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140	4.10	30	
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140	5.47	30	
Indeno(1,2,3-cd)pyrene	1.28	0.17	mg/Kg wet	1.67		76.8	40-140	7.73	30	
2-Methylnaphthalene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140	2.97	30	
Naphthalene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	1.55	30	
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140	1.73	30	
Pyrene	1.27	0.17	mg/Kg wet	1.67		76.1	40-140	4.14	30	
Surrogate: Nitrobenzene-d5	2.88		mg/Kg wet	3.33		86.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.97		mg/Kg wet	3.33		89.1	30-130			
Surrogate: p-Terphenyl-d14	3.23		mg/Kg wet	3.33		97.0	30-130			

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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 B183605 - SW-846 3540C
Blank (B183605-BLK1)

Prepared: 08/08/17 Analyzed: 08/21/17

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		92.8	30-150			

LCS (B183605-BS1)

Prepared: 08/08/17 Analyzed: 08/21/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.7	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.5	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.7	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.9	40-140			
Surrogate: Decachlorobiphenyl	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.3	30-150			

LCS Dup (B183605-BSD1)

Prepared: 08/08/17 Analyzed: 08/21/17

Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.0	40-140	2.00	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.5	40-140	2.38	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.3	40-140	0.542	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	2.17	30	
Surrogate: Decachlorobiphenyl	0.224		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg wet	0.200		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.0	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183605 - SW-846 3540C										
Matrix Spike (B183605-MS1)	Source: 17G1420-05			Prepared: 08/08/17 Analyzed: 08/21/17						
Aroclor-1016	0.22	0.10	mg/Kg dry	0.207	ND	106	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg dry	0.207	ND	112	40-140			
Aroclor-1260	0.42	0.10	mg/Kg dry	0.207	0.20	108	40-140			
Aroclor-1260 [2C]	0.39	0.10	mg/Kg dry	0.207	0.20	91.7	40-140			
Surrogate: Decachlorobiphenyl	0.258		mg/Kg dry	0.207		125	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.224		mg/Kg dry	0.207		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg dry	0.207		94.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg dry	0.207		96.9	30-150			
Matrix Spike (B183605-MS2)	Source: 17G1420-14			Prepared: 08/08/17 Analyzed: 08/21/17						
Aroclor-1016	0.19	0.11	mg/Kg dry	0.214	ND	90.1	40-140			
Aroclor-1016 [2C]	0.20	0.11	mg/Kg dry	0.214	ND	93.2	40-140			
Aroclor-1260	0.20	0.11	mg/Kg dry	0.214	ND	94.8	40-140			
Aroclor-1260 [2C]	0.20	0.11	mg/Kg dry	0.214	ND	94.6	40-140			
Surrogate: Decachlorobiphenyl	0.225		mg/Kg dry	0.214		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg dry	0.214		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg dry	0.214		80.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg dry	0.214		82.2	30-150			
Matrix Spike Dup (B183605-MSD1)	Source: 17G1420-05			Prepared: 08/08/17 Analyzed: 08/22/17						
Aroclor-1016	0.21	0.10	mg/Kg dry	0.207	ND	103	40-140	2.56	50	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg dry	0.207	ND	106	40-140	5.08	50	
Aroclor-1260	0.41	0.10	mg/Kg dry	0.207	0.20	101	40-140	3.59	50	
Aroclor-1260 [2C]	0.38	0.10	mg/Kg dry	0.207	0.20	84.5	40-140	3.88	50	
Surrogate: Decachlorobiphenyl	0.244		mg/Kg dry	0.207		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg dry	0.207		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg dry	0.207		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg dry	0.207		93.8	30-150			
Matrix Spike Dup (B183605-MSD2)	Source: 17G1420-14			Prepared: 08/08/17 Analyzed: 08/22/17						
Aroclor-1016	0.22	0.11	mg/Kg dry	0.216	ND	103	40-140	13.9	50	
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.216	ND	105	40-140	12.8	50	
Aroclor-1260	0.23	0.11	mg/Kg dry	0.216	ND	108	40-140	14.3	50	
Aroclor-1260 [2C]	0.23	0.11	mg/Kg dry	0.216	ND	107	40-140	13.1	50	
Surrogate: Decachlorobiphenyl	0.264		mg/Kg dry	0.216		122	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.228		mg/Kg dry	0.216		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg dry	0.216		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg dry	0.216		93.5	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			

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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-DUP3)		Source: 17G1420-01		Prepared: 08/05/17 Analyzed: 08/07/17						
% Solids	91.5		% Wt		93.0			1.63	20	
Duplicate (B183388-DUP4)		Source: 17G1420-05		Prepared: 08/05/17 Analyzed: 08/07/17						
% Solids	96.7		% Wt		96.6			0.103	20	
Duplicate (B183388-DUP5)		Source: 17G1420-14		Prepared: 08/05/17 Analyzed: 08/07/17						
% Solids	92.8		% Wt		92.4			0.432	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC9-SO-18-1***SW-846 8082A*Lab Sample ID: 17G1420-01 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-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.30	3.3

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-18-2**Lab Sample ID: 17G1420-02 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-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-17-1**Lab Sample ID: 17G1420-04 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.87	
	2	0.000	-0.030	0.030	0.77	12.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-17-2**Lab Sample ID: 17G1420-05 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	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-19-1**Lab Sample ID: 17G1420-07 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.1	8.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-20-1**Lab Sample ID: 17G1420-10 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	0.53	
	2	0.000	-0.030	0.030	0.50	5.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-21-1**Lab Sample ID: 17G1420-13 Date(s) Analyzed: 08/22/2017 08/22/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.2	
	2	0.000	-0.030	0.030	4.3	18.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-23-2**Lab Sample ID: 17G1420-20 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	0.85	
	2	0.000	-0.030	0.030	0.86	1.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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

1761420



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotek

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC9-SO-18-1	7/31/17	9:40		X	S	U
2	WS-AOC9-SO-18-2		9:41				
3	WS-AOC9-SO-18-3		9:42				
4	WS-AOC9-SO-17-1		9:40				
5	WS-AOC9-SO-19-2		9:42				
6	WS-AOC9-SO-17-3		9:44				
7	WS-AOC9-SO-19-1		9:50				
8	WS-AOC9-SO-19-2		9:52				
9	WS-AOC9-SO-19-3		9:54				
10	WS-AOC9-SO-20-1		10:05				

Comments:

WS-AOC9-SO-17-2 (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: 7/31/17 1540	Detection Limit Requirements	MA
Received by: (signature)	Date/Time: 7/31/17 1546		
Relinquished by: (signature)	Date/Time: 7/31/17 1520		RES DEC
Received by: (signature)	Date/Time: 7/31/17 1720		Other
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:	NELAC and AIHA-LAP, LLC Accredited	

Program Information

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

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-AOC9-SO-20-2	7/31/17	10:06	X	S	U	
12	WS-AOC9-SO-20-3		10:07				
13	WS-AOC9-SO-21-1		10:20				
14	WS-AOC9-SO-21-2		10:22				
15	WS-AOC9-SO-21-3		10:24				
16	WS-AOC9-SO-22-1		10:30				
17	WS-AOC9-SO-22-2		10:32				
18	WS-AOC9-SO-22-3		10:34				
19	WS-AOC9-SO-23-1		10:40				
20	WS-AOC9-SO-23-2		10:41				

Comments:

WS-AOC9-SO-21-2 (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: 7/31/17 15:40	Detection Limit Requirements MA CT OTHER	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited
Received by: (signature)	Date/Time: 7/31/17 15:40		
Relinquished by: (signature)	Date/Time: 7/31/17 15:20		
Received by: (signature)	Date/Time: 7/31/17 17:00		
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	

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East Longmeadow, MA 01028

Page 2 of 10

CHAIN OF CUSTODY RECORD

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

ANALYSIS REQUESTED

VOCs
RSR 15 Metals
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)

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

Doc# 277 Rev 5 2017

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

Client Weston & Sampson
Received By 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? 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? T

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified?
Are there Rushes? N/A Who was notified?
Are there Short Holds? N/A Who was notified?

Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A T
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\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

8/9/17 7:42 AM

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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

D:\HPCHEM\1\DATA\A080817.SEC\A0808057.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808057.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	513475	550925	-7
c - 10	1.63	527505	550925	-4
c - 12	2.34	545732	550925	-1
c - 14	3.01	555761	550925	1
c - 16	3.61	566695	550925	3
c - 18	4.23	559895	550925	2
o-Terphenyl	4.51	629289	550925	
c - 20	4.83	568081	550925	3
c - 22	5.34	577653	550925	5
c - 24	5.78	539940	550925	-2
c - 26	6.17	569107	550925	3
c - 28	6.53	560263	550925	2
c - 30	6.86	557230	550925	1
c - 32	7.17	541079	550925	-2
c - 34	7.46	539966	550925	-2
c - 36	7.78	541485	550925	-2

* One compound allowed %D <= 50%

Samples

17G1308-01@5X
 17G1308-02@10X
 17G1308-04@5X
 17G1308-12
 17G1308-09

D:\HPCHEM\1\DATA\A080817.SEC\A0808091.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
Data File Name A0808091.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	510955	541042	-6
c - 10	1.63	525974	541042	-3
c - 12	2.35	543074	541042	0
c - 14	3.01	551824	541042	2
c - 16	3.62	561754	541042	4
c - 18	4.23	554097	541042	2
o-Terphenyl	4.51	619051	541042	
c - 20	4.84	559993	541042	4
c - 22	5.34	567172	541042	5
c - 24	5.78	527365	541042	-3
c - 26	6.17	552723	541042	2
c - 28	6.53	542504	541042	0
c - 30	6.86	539598	541042	0
c - 32	7.17	526274	541042	-3
c - 34	7.46	526655	541042	-3
c - 36	7.78	525668	541042	-3

* One compound allowed %D <= 50%

Samples

17H0128-02
17G1436-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17G1420

Laboratory Sample ID(s):

17G1420-01 thru 17G1420-20

Sample Date(s):

07/31/2017

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: 08/22/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 22, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17G1420

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: 8/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1420

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-18-1	17G1420-01	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-18-2	17G1420-02	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-18-3	17G1420-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC9-SO-17-1	17G1420-04	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-17-2	17G1420-05	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-17-3	17G1420-06	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-19-1	17G1420-07	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-19-2	17G1420-08	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-19-3	17G1420-09	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-20-1	17G1420-10	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-20-2	17G1420-11	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-20-3	17G1420-12	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-21-1	17G1420-13	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-21-2	17G1420-14	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-21-3	17G1420-15	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-22-1	17G1420-16	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-22-2	17G1420-17	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-22-3	17G1420-18	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-23-1	17G1420-19	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: 8/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1420

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-23-2	17G1420-20	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**

B183455-BSD1

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**

17G1420-13[WS-AOC9-SO-21-1]

Decachlorobiphenyl [2C]

17G1420-13[WS-AOC9-SO-21-1]

Tetrachloro-m-xylene

17G1420-13[WS-AOC9-SO-21-1]

Tetrachloro-m-xylene [2C]

17G1420-13[WS-AOC9-SO-21-1]

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-01

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	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1260 [1]	0.31	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 16:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.3	30-150							
Decachlorobiphenyl [2]	61.5	30-150							
Tetrachloro-m-xylene [1]	55.8	30-150							
Tetrachloro-m-xylene [2]	61.4	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-01

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	93.0		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-2

Sampled: 7/31/2017 09:41

Sample ID: 17G1420-02

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	8/21/17 17:00	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1260 [2]	0.17	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	97.8	30-150							
Tetrachloro-m-xylene [1]	89.6	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-2

Sampled: 7/31/2017 09:41

Sample ID: 17G1420-02

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	87.7		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

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	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Acenaphthylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(a)anthracene	0.90	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(a)pyrene	0.93	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(b)fluoranthene	1.1	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(g,h,i)perylene	0.71	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Benzo(k)fluoranthene	0.38	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Chrysene	0.89	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Dibenz(a,h)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Fluoranthene	1.1	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Fluorene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Indeno(1,2,3-cd)pyrene	0.64	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
2-Methylnaphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Naphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Phenanthrene	0.52	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Pyrene	1.5	0.24	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:04	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	86.2	30-130						8/9/17 15:04	
2-Fluorobiphenyl	64.9	30-130						8/9/17 15:04	
p-Terphenyl-d14	80.9	30-130						8/9/17 15:04	

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:18	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	93.9	30-150							
Tetrachloro-m-xylene [1]	87.9	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	14	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 13:22	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	67.2		50-150					8/8/17 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-18-3

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-03

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	71.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-04

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	8/8/17	8/21/17 17:36	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1260 [1]	0.87	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:36	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150							
Decachlorobiphenyl [2]	95.5	30-150							
Tetrachloro-m-xylene [1]	87.1	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-1

Sampled: 7/31/2017 09:40

Sample ID: 17G1420-04

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	89.0		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-2

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-05

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	8/21/17 17:54	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1260 [2]	0.20	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 17:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	95.3	30-150							
Tetrachloro-m-xylene [1]	87.1	30-150							
Tetrachloro-m-xylene [2]	92.7	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-2

Sampled: 7/31/2017 09:42

Sample ID: 17G1420-05

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	96.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-3

Sampled: 7/31/2017 09:44

Sample ID: 17G1420-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:12	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	93.5	30-150							
Tetrachloro-m-xylene [1]	81.3	30-150							
Tetrachloro-m-xylene [2]	86.3	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-17-3

Sampled: 7/31/2017 09:44

Sample ID: 17G1420-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-1

Sampled: 7/31/2017 09:50

Sample ID: 17G1420-07

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	8/8/17	8/21/17 18:30	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1260 [1]	1.2	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:30	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	98.8	30-150							
Tetrachloro-m-xylene [1]	89.3	30-150							
Tetrachloro-m-xylene [2]	94.6	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-1

Sampled: 7/31/2017 09:50

Sample ID: 17G1420-07

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	95.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-2

Sampled: 7/31/2017 09:52

Sample ID: 17G1420-08

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	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 18:48	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	112	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	95.9	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-2

Sampled: 7/31/2017 09:52

Sample ID: 17G1420-08

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	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-3

Sampled: 7/31/2017 09:54

Sample ID: 17G1420-09

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	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1254 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:06	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	95.1	30-150							
Tetrachloro-m-xylene [1]	85.3	30-150							
Tetrachloro-m-xylene [2]	90.2	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-19-3

Sampled: 7/31/2017 09:54

Sample ID: 17G1420-09

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	52.7		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-1

Sampled: 7/31/2017 10:05

Sample ID: 17G1420-10

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	8/8/17	8/21/17 19:24	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1260 [1]	0.53	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 19:24	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	94.9	30-150							
Tetrachloro-m-xylene [1]	88.0	30-150							
Tetrachloro-m-xylene [2]	92.7	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-1

Sampled: 7/31/2017 10:05

Sample ID: 17G1420-10

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	94.0		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-2

Sampled: 7/31/2017 10:06

Sample ID: 17G1420-11

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	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:31	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150						8/21/17 20:31	
Decachlorobiphenyl [2]	101	30-150						8/21/17 20:31	
Tetrachloro-m-xylene [1]	87.5	30-150						8/21/17 20:31	
Tetrachloro-m-xylene [2]	93.5	30-150						8/21/17 20:31	

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-2

Sampled: 7/31/2017 10:06

Sample ID: 17G1420-11

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	96.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-3

Sampled: 7/31/2017 10:07

Sample ID: 17G1420-12

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	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 20:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	114	30-150							
Decachlorobiphenyl [2]	102	30-150							
Tetrachloro-m-xylene [1]	95.4	30-150							
Tetrachloro-m-xylene [2]	99.8	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-20-3

Sampled: 7/31/2017 10:07

Sample ID: 17G1420-12

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	59.3		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-1

Sampled: 7/31/2017 10:20

Sample ID: 17G1420-13

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	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1260 [1]	5.2	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/22/17 7:37	TG
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/22/17 7:37	
Decachlorobiphenyl [2]	*	30-150			S-01			8/22/17 7:37	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/22/17 7:37	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/22/17 7:37	

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-1

Sampled: 7/31/2017 10:20

Sample ID: 17G1420-13

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	95.4		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-2

Sampled: 7/31/2017 10:22

Sample ID: 17G1420-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	113	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	90.0	30-150							
Tetrachloro-m-xylene [2]	93.8	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-2

Sampled: 7/31/2017 10:22

Sample ID: 17G1420-14

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	92.4		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-3

Sampled: 7/31/2017 10:24

Sample ID: 17G1420-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 21:43	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	97.0	30-150							
Tetrachloro-m-xylene [1]	78.3	30-150							
Tetrachloro-m-xylene [2]	82.6	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-21-3

Sampled: 7/31/2017 10:24

Sample ID: 17G1420-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-1

Sampled: 7/31/2017 10:30

Sample ID: 17G1420-16

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	8/8/17	8/21/17 22:01	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	96.2	30-150							
Tetrachloro-m-xylene [1]	89.3	30-150							
Tetrachloro-m-xylene [2]	91.3	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-1

Sampled: 7/31/2017 10:30

Sample ID: 17G1420-16

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	8/5/17	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-2

Sampled: 7/31/2017 10:32

Sample ID: 17G1420-17

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	8/21/17 22:19	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	96.3	30-150							
Tetrachloro-m-xylene [1]	86.5	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-2

Sampled: 7/31/2017 10:32

Sample ID: 17G1420-17

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	92.6		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-3

Sampled: 7/31/2017 10:34

Sample ID: 17G1420-18

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	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150						8/21/17 22:37	
Decachlorobiphenyl [2]	97.0	30-150						8/21/17 22:37	
Tetrachloro-m-xylene [1]	91.0	30-150						8/21/17 22:37	
Tetrachloro-m-xylene [2]	93.1	30-150						8/21/17 22:37	

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-22-3

Sampled: 7/31/2017 10:34

Sample ID: 17G1420-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.1		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-1

Sampled: 7/31/2017 10:40

Sample ID: 17G1420-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 22:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	117	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	96.8	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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-1

Sampled: 7/31/2017 10:40

Sample ID: 17G1420-19

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	97.4		% 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: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-2

Sampled: 7/31/2017 10:41

Sample ID: 17G1420-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1260 [2]	0.86	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/21/17 23:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	117	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	98.2	30-150							
Tetrachloro-m-xylene [2]	99.2	30-150							

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

Sample Description:

Work Order: 17G1420

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-2

Sampled: 7/31/2017 10:41

Sample ID: 17G1420-20

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	95.7		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	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
17G1420-03 [WS-AOC9-SO-18-3]	B183455	30.0	1.00	08/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1420-01 [WS-AOC9-SO-18-1]	B183388	08/05/17
17G1420-02 [WS-AOC9-SO-18-2]	B183388	08/05/17
17G1420-03 [WS-AOC9-SO-18-3]	B183388	08/05/17
17G1420-04 [WS-AOC9-SO-17-1]	B183388	08/05/17
17G1420-05 [WS-AOC9-SO-17-2]	B183388	08/05/17
17G1420-06 [WS-AOC9-SO-17-3]	B183388	08/05/17
17G1420-07 [WS-AOC9-SO-19-1]	B183388	08/05/17
17G1420-08 [WS-AOC9-SO-19-2]	B183388	08/05/17
17G1420-09 [WS-AOC9-SO-19-3]	B183388	08/05/17
17G1420-10 [WS-AOC9-SO-20-1]	B183388	08/05/17
17G1420-11 [WS-AOC9-SO-20-2]	B183388	08/05/17
17G1420-12 [WS-AOC9-SO-20-3]	B183388	08/05/17
17G1420-13 [WS-AOC9-SO-21-1]	B183388	08/05/17
17G1420-14 [WS-AOC9-SO-21-2]	B183388	08/05/17
17G1420-15 [WS-AOC9-SO-21-3]	B183388	08/05/17
17G1420-16 [WS-AOC9-SO-22-1]	B183388	08/05/17
17G1420-17 [WS-AOC9-SO-22-2]	B183388	08/05/17
17G1420-18 [WS-AOC9-SO-22-3]	B183388	08/05/17
17G1420-19 [WS-AOC9-SO-23-1]	B183388	08/05/17
17G1420-20 [WS-AOC9-SO-23-2]	B183388	08/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1420-01 [WS-AOC9-SO-18-1]	B183605	10.3	10.0	08/08/17
17G1420-02 [WS-AOC9-SO-18-2]	B183605	10.1	10.0	08/08/17
17G1420-03 [WS-AOC9-SO-18-3]	B183605	10.0	10.0	08/08/17
17G1420-04 [WS-AOC9-SO-17-1]	B183605	10.2	10.0	08/08/17
17G1420-05 [WS-AOC9-SO-17-2]	B183605	10.1	10.0	08/08/17
17G1420-06 [WS-AOC9-SO-17-3]	B183605	10.2	10.0	08/08/17
17G1420-07 [WS-AOC9-SO-19-1]	B183605	10.1	10.0	08/08/17
17G1420-08 [WS-AOC9-SO-19-2]	B183605	10.5	10.0	08/08/17
17G1420-09 [WS-AOC9-SO-19-3]	B183605	10.2	10.0	08/08/17
17G1420-10 [WS-AOC9-SO-20-1]	B183605	10.5	10.0	08/08/17
17G1420-11 [WS-AOC9-SO-20-2]	B183605	10.2	10.0	08/08/17
17G1420-12 [WS-AOC9-SO-20-3]	B183605	10.0	10.0	08/08/17
17G1420-13 [WS-AOC9-SO-21-1]	B183605	10.3	10.0	08/08/17
17G1420-14 [WS-AOC9-SO-21-2]	B183605	10.6	10.0	08/08/17
17G1420-15 [WS-AOC9-SO-21-3]	B183605	10.4	10.0	08/08/17
17G1420-16 [WS-AOC9-SO-22-1]	B183605	10.0	10.0	08/08/17
17G1420-17 [WS-AOC9-SO-22-2]	B183605	10.1	10.0	08/08/17
17G1420-18 [WS-AOC9-SO-22-3]	B183605	10.4	10.0	08/08/17
17G1420-19 [WS-AOC9-SO-23-1]	B183605	10.6	10.0	08/08/17
17G1420-20 [WS-AOC9-SO-23-2]	B183605	10.0	10.0	08/08/17

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1420-03 [WS-AOC9-SO-18-3]	B183610	30.0	1.00	08/08/17

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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 B183610 - SW-846 3546
Blank (B183610-BLK1)

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

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	3.00		mg/Kg wet	3.33		89.9	30-130			
Surrogate: 2-Fluorobiphenyl	3.02		mg/Kg wet	3.33		90.6	30-130			
Surrogate: p-Terphenyl-d14	3.71		mg/Kg wet	3.33		111	30-130			

LCS (B183610-BS1)

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

Acenaphthene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Acenaphthylene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140			
Benzo(a)anthracene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140			
Benzo(a)pyrene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140			
Benzo(b)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(g,h,i)perylene	1.47	0.17	mg/Kg wet	1.67		88.3	40-140			
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Chrysene	1.26	0.17	mg/Kg wet	1.67		75.7	40-140			
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.3	40-140			
Fluoranthene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140			
Fluorene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140			
Indeno(1,2,3-cd)pyrene	1.38	0.17	mg/Kg wet	1.67		83.0	40-140			
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140			
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140			
Phenanthrene	1.22	0.17	mg/Kg wet	1.67		73.4	40-140			
Pyrene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140			
Surrogate: Nitrobenzene-d5	2.88		mg/Kg wet	3.33		86.4	30-130			
Surrogate: 2-Fluorobiphenyl	3.13		mg/Kg wet	3.33		94.0	30-130			
Surrogate: p-Terphenyl-d14	3.42		mg/Kg wet	3.33		103	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183610 - SW-846 3546										
LCS Dup (B183610-BSD1)					Prepared: 08/08/17 Analyzed: 08/09/17					
Acenaphthene	1.16	0.17	mg/Kg wet	1.67		69.5	40-140	3.40	30	
Acenaphthylene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140	3.88	30	
Anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140	0.997	30	
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140	3.26	30	
Benzo(a)pyrene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140	3.76	30	
Benzo(b)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	12.7	30	
Benzo(g,h,i)perylene	1.45	0.17	mg/Kg wet	1.67		87.1	40-140	1.35	30	
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140	1.90	30	
Chrysene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140	4.34	30	
Dibenz(a,h)anthracene	1.40	0.17	mg/Kg wet	1.67		83.7	40-140	0.738	30	
Fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140	4.10	30	
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140	5.47	30	
Indeno(1,2,3-cd)pyrene	1.28	0.17	mg/Kg wet	1.67		76.8	40-140	7.73	30	
2-Methylnaphthalene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140	2.97	30	
Naphthalene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	1.55	30	
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140	1.73	30	
Pyrene	1.27	0.17	mg/Kg wet	1.67		76.1	40-140	4.14	30	
Surrogate: Nitrobenzene-d5	2.88		mg/Kg wet	3.33		86.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.97		mg/Kg wet	3.33		89.1	30-130			
Surrogate: p-Terphenyl-d14	3.23		mg/Kg wet	3.33		97.0	30-130			

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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 B183605 - SW-846 3540C
Blank (B183605-BLK1)

Prepared: 08/08/17 Analyzed: 08/21/17

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		92.8	30-150			

LCS (B183605-BS1)

Prepared: 08/08/17 Analyzed: 08/21/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.7	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.5	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.7	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.9	40-140			
Surrogate: Decachlorobiphenyl	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.3	30-150			

LCS Dup (B183605-BSD1)

Prepared: 08/08/17 Analyzed: 08/21/17

Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.0	40-140	2.00	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.5	40-140	2.38	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.3	40-140	0.542	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	2.17	30	
Surrogate: Decachlorobiphenyl	0.224		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg wet	0.200		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183605 - SW-846 3540C										
Matrix Spike (B183605-MS1)	Source: 17G1420-05			Prepared: 08/08/17 Analyzed: 08/21/17						
Aroclor-1016	0.22	0.10	mg/Kg dry	0.207	ND	106	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg dry	0.207	ND	112	40-140			
Aroclor-1260	0.42	0.10	mg/Kg dry	0.207	0.20	108	40-140			
Aroclor-1260 [2C]	0.39	0.10	mg/Kg dry	0.207	0.20	91.7	40-140			
Surrogate: Decachlorobiphenyl	0.258		mg/Kg dry	0.207		125	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.224		mg/Kg dry	0.207		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg dry	0.207		94.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg dry	0.207		96.9	30-150			
Matrix Spike (B183605-MS2)	Source: 17G1420-14			Prepared: 08/08/17 Analyzed: 08/21/17						
Aroclor-1016	0.19	0.11	mg/Kg dry	0.214	ND	90.1	40-140			
Aroclor-1016 [2C]	0.20	0.11	mg/Kg dry	0.214	ND	93.2	40-140			
Aroclor-1260	0.20	0.11	mg/Kg dry	0.214	ND	94.8	40-140			
Aroclor-1260 [2C]	0.20	0.11	mg/Kg dry	0.214	ND	94.6	40-140			
Surrogate: Decachlorobiphenyl	0.225		mg/Kg dry	0.214		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg dry	0.214		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg dry	0.214		80.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg dry	0.214		82.2	30-150			
Matrix Spike Dup (B183605-MSD1)	Source: 17G1420-05			Prepared: 08/08/17 Analyzed: 08/22/17						
Aroclor-1016	0.21	0.10	mg/Kg dry	0.207	ND	103	40-140	2.56	50	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg dry	0.207	ND	106	40-140	5.08	50	
Aroclor-1260	0.41	0.10	mg/Kg dry	0.207	0.20	101	40-140	3.59	50	
Aroclor-1260 [2C]	0.38	0.10	mg/Kg dry	0.207	0.20	84.5	40-140	3.88	50	
Surrogate: Decachlorobiphenyl	0.244		mg/Kg dry	0.207		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg dry	0.207		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg dry	0.207		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg dry	0.207		93.8	30-150			
Matrix Spike Dup (B183605-MSD2)	Source: 17G1420-14			Prepared: 08/08/17 Analyzed: 08/22/17						
Aroclor-1016	0.22	0.11	mg/Kg dry	0.216	ND	103	40-140	13.9	50	
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.216	ND	105	40-140	12.8	50	
Aroclor-1260	0.23	0.11	mg/Kg dry	0.216	ND	108	40-140	14.3	50	
Aroclor-1260 [2C]	0.23	0.11	mg/Kg dry	0.216	ND	107	40-140	13.1	50	
Surrogate: Decachlorobiphenyl	0.264		mg/Kg dry	0.216		122	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.228		mg/Kg dry	0.216		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg dry	0.216		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg dry	0.216		93.5	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			

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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-DUP3)	Source: 17G1420-01			Prepared: 08/05/17 Analyzed: 08/07/17						
% Solids	91.5		% Wt		93.0			1.63	20	
Duplicate (B183388-DUP4)	Source: 17G1420-05			Prepared: 08/05/17 Analyzed: 08/07/17						
% Solids	96.7		% Wt		96.6			0.103	20	
Duplicate (B183388-DUP5)	Source: 17G1420-14			Prepared: 08/05/17 Analyzed: 08/07/17						
% Solids	92.8		% Wt		92.4			0.432	20	

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC9-SO-18-1***SW-846 8082A*Lab Sample ID: 17G1420-01 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-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.30	3.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-18-2

Lab Sample ID: 17G1420-02 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-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-17-1**Lab Sample ID: 17G1420-04 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.87	
	2	0.000	-0.030	0.030	0.77	12.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-17-2**Lab Sample ID: 17G1420-05 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	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-19-1**Lab Sample ID: 17G1420-07 Date(s) Analyzed: 08/21/2017 08/21/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.1	8.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-20-1**Lab Sample ID: 17G1420-10 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	0.53	
	2	0.000	-0.030	0.030	0.50	5.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-21-1**Lab Sample ID: 17G1420-13 Date(s) Analyzed: 08/22/2017 08/22/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.2	
	2	0.000	-0.030	0.030	4.3	18.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-23-2**Lab Sample ID: 17G1420-20 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	0.85	
	2	0.000	-0.030	0.030	0.86	1.2

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.
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 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

CHAIN OF CUSTODY RECORD

1761420



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotek

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC9-SO-18-1	7/31/17	9:40		X	S	U
2	WS-AOC9-SO-18-2		9:41				
3	WS-AOC9-SO-18-3		9:42				
4	WS-AOC9-SO-17-1		9:40				
5	WS-AOC9-SO-19-2		9:42				
6	WS-AOC9-SO-17-3		9:44				
7	WS-AOC9-SO-19-1		9:50				
8	WS-AOC9-SO-19-2		9:52				
9	WS-AOC9-SO-19-3		9:54				
10	WS-AOC9-SO-20-1		10:05				

Comments:

WS-AOC9-SO-17-2 (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	Program Information
Received by: (signature)	7/31/17 1540	MA	☐ MCP Analytical Certification Form Required
Relinquished by: (signature)	7/31/17 1546		☒ RCP Analysis Certification Form Required
Received by: (signature)	7/31/17 1520	CT	☐ MA State DW Form Required
Relinquished by: (signature)	7/31/17 1720	Other	PWSID # _____
Received by: (signature)			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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC9-SO-20-2	7/31/17	10:06	X	Y	S	U
12	WS-AOC9-SO-20-3		10:07				
13	WS-AOC9-SO-21-1		10:20				
14	WS-AOC9-SO-21-2		10:22				
15	WS-AOC9-SO-21-3		10:24				
16	WS-AOC9-SO-22-1		10:30				
17	WS-AOC9-SO-22-2		10:32				
18	WS-AOC9-SO-22-3		10:34				
19	WS-AOC9-SO-23-1		10:40				
20	WS-AOC9-SO-23-2		10:41				

Comments:

WS-AOC9-SO-21-2 (MS-MSD)

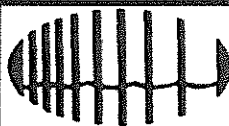
Please hold excess volumes for possible SPLP analyses.

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: 7/31/17 1540	Detection Limit Requirements MA CT OTHER	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited
Received by: (signature)	Date/Time: 7/31/17 1540		
Relinquished by: (signature)	Date/Time: 7/31/17 5:20		
Received by: (signature)	Date/Time: 7/31/17 1720		
Relinquished by: (signature)	Date/Time:		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

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

Doc# 277 Rev 5 2017

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

Client Weston & Sampson
Received By 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? 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? T

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified?

Are there Rushes? N/A Who was notified?

Are there Short Holds? N/A Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A T

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	
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\A080817\A0808026.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808026.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	388980	411456	-5
c - 10	1.64	396998	411456	-4
c - 12	2.37	411639	411456	0
c - 14	3.05	421922	411456	3
c - 16	3.66	430652	411456	5
c - 18	4.29	421549	411456	2
o-Terphenyl	4.57	462441	411456	
c - 20	4.90	423660	411456	3
c - 22	5.40	424781	411456	3
c - 24	5.84	392353	411456	-5
c - 26	6.24	411491	411456	0
c - 28	6.60	408915	411456	-1
c - 30	6.93	411875	411456	0
c - 32	7.25	406095	411456	-1
c - 34	7.55	410201	411456	0
c - 36	7.90	410728	411456	0

* One compound allowed %D <= 50%

Samples

17G1436-03
 17G1436-10
 17G1436-16
 17G1436-18

D:\HPCHEM\1\DATA\A080817\A0808056.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808056.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%%D +/- 20
c - 9	1.29	383797	405490	-5
c - 10	1.64	393392	405490	-3
c - 12	2.37	407478	405490	0
c - 14	3.05	416808	405490	3
c - 16	3.66	424484	405490	5
c - 18	4.29	416419	405490	3
o-Terphenyl	4.57	456536	405490	
c - 20	4.90	416752	405490	3
c - 22	5.40	418018	405490	3
c - 24	5.84	386270	405490	-5
c - 26	6.24	404998	405490	0
c - 28	6.60	401550	405490	-1
c - 30	6.93	403933	405490	0
c - 32	7.25	399548	405490	-1
c - 34	7.55	403584	405490	0
c - 36	7.90	405319	405490	0

* One compound allowed %D <= 50%

Samples

17G1308-06@5X
 17G1308-07@10X
 17G1308-08@10X
 17G1308-09@5X
 17G1308-10@5X
 17G1308-11@5X
 17G1306-16@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808027.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808027.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	501091	527474	-5
c - 10	1.62	509918	527474	-3
c - 12	2.34	523832	527474	-1
c - 14	3.01	534044	527474	1
c - 16	3.61	544812	527474	3
c - 18	4.23	538107	527474	2
o-Terphenyl	4.51	603381	527474	
c - 20	4.83	545360	527474	3
c - 22	5.34	555321	527474	5
c - 24	5.78	518184	527474	-2
c - 26	6.17	544315	527474	3
c - 28	6.53	534693	527474	1
c - 30	6.86	529438	527474	0
c - 32	7.17	513011	527474	-3
c - 34	7.46	510904	527474	-3
c - 36	7.78	509084	527474	-3

* One compound allowed %D <= 50%

Samples

17G1427-08
 17G1420-03
 17H0095-01
 17G1436-06@5X
 17H0128-01@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808057.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808057.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	513475	550925	-7
c - 10	1.63	527505	550925	-4
c - 12	2.34	545732	550925	-1
c - 14	3.01	555761	550925	1
c - 16	3.61	566695	550925	3
c - 18	4.23	559895	550925	2
o-Terphenyl	4.51	629289	550925	
c - 20	4.83	568081	550925	3
c - 22	5.34	577653	550925	5
c - 24	5.78	539940	550925	-2
c - 26	6.17	569107	550925	3
c - 28	6.53	560263	550925	2
c - 30	6.86	557230	550925	1
c - 32	7.17	541079	550925	-2
c - 34	7.46	539966	550925	-2
c - 36	7.78	541485	550925	-2

* One compound allowed %D <= 50%

Samples

17G1308-01@5X
 17G1308-02@10X
 17G1308-04@5X
 17G1308-12
 17G1308-09

D:\HPCHEM\1\DATA\A080817.SEC\A0808091.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
Data File Name A0808091.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	510955	541042	-6
c - 10	1.63	525974	541042	-3
c - 12	2.35	543074	541042	0
c - 14	3.01	551824	541042	2
c - 16	3.62	561754	541042	4
c - 18	4.23	554097	541042	2
o-Terphenyl	4.51	619051	541042	
c - 20	4.84	559993	541042	4
c - 22	5.34	567172	541042	5
c - 24	5.78	527365	541042	-3
c - 26	6.17	552723	541042	2
c - 28	6.53	542504	541042	0
c - 30	6.86	539598	541042	0
c - 32	7.17	526274	541042	-3
c - 34	7.46	526655	541042	-3
c - 36	7.78	525668	541042	-3

* One compound allowed %D <= 50%

Samples

17H0128-02
17G1436-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17G1420

Laboratory Sample ID(s):

17G1420-01 thru 17G1420-20

Sample Date(s):

07/31/2017

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: 08/22/17
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: 17G1427

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: 17G1427

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-23-3	17G1427-01	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-23-4	17G1427-02	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-24-1	17G1427-03	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-24-2	17G1427-04	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-24-3	17G1427-05	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-25-1	17G1427-06	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-25-2	17G1427-07	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-25-3	17G1427-08	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC9-SO-25-4	17G1427-09	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-26-1	17G1427-10	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-26-2	17G1427-11	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-26-3	17G1427-12	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-27-1	17G1427-13	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-27-2	17G1427-14	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-27-3	17G1427-15	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-27-4	17G1427-16	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-28-1	17G1427-17	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-28-2	17G1427-18	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-28-3	17G1427-19	Soil		SM 2540G SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1427

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-28-4A	17G1427-20	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**

B183455-BSD1

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**

17G1427-01[WS-AOC9-SO-23-3], 17G1427-10[WS-AOC9-SO-26-1], 17G1427-13[WS-AOC9-SO-27-1], 17G1427-18[WS-AOC9-SO-28-2]

Decachlorobiphenyl [2C]

17G1427-01[WS-AOC9-SO-23-3], 17G1427-10[WS-AOC9-SO-26-1], 17G1427-13[WS-AOC9-SO-27-1], 17G1427-18[WS-AOC9-SO-28-2]

Tetrachloro-m-xylene

17G1427-01[WS-AOC9-SO-23-3], 17G1427-10[WS-AOC9-SO-26-1], 17G1427-13[WS-AOC9-SO-27-1], 17G1427-18[WS-AOC9-SO-28-2]

Tetrachloro-m-xylene [2C]

17G1427-01[WS-AOC9-SO-23-3], 17G1427-10[WS-AOC9-SO-26-1], 17G1427-13[WS-AOC9-SO-27-1], 17G1427-18[WS-AOC9-SO-28-2]

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-3

Sampled: 7/31/2017 10:42

Sample ID: 17G1427-01

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	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1221 [1]	ND	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1232 [1]	ND	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1242 [1]	ND	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1248 [1]	ND	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1254 [1]	ND	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1260 [2]	36	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1262 [1]	ND	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Aroclor-1268 [1]	ND	11	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 8:58	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/25/17 8:58	
Decachlorobiphenyl [2]	*	30-150			S-01			8/25/17 8:58	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/25/17 8:58	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/25/17 8:58	

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

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-3

Sampled: 7/31/2017 10:42

Sample ID: 17G1427-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.2		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-4

Sampled: 7/31/2017 10:43

Sample ID: 17G1427-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1221 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1232 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1242 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1248 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1254 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1260 [2]	2.1	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1262 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Aroclor-1268 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.3	30-150						8/25/17 9:16	
Decachlorobiphenyl [2]	84.9	30-150						8/25/17 9:16	
Tetrachloro-m-xylene [1]	78.9	30-150						8/25/17 9:16	
Tetrachloro-m-xylene [2]	80.0	30-150						8/25/17 9:16	

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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-23-4

Sampled: 7/31/2017 10:43

Sample ID: 17G1427-02

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	88.8		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-24-1

Sampled: 7/31/2017 10:50

Sample ID: 17G1427-03

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	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1260 [2]	1.6	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	8/8/17	8/25/17 9:33	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.1	30-150						8/25/17 9:33	
Decachlorobiphenyl [2]	91.7	30-150						8/25/17 9:33	
Tetrachloro-m-xylene [1]	88.9	30-150						8/25/17 9:33	
Tetrachloro-m-xylene [2]	96.6	30-150						8/25/17 9:33	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-24-1

Sampled: 7/31/2017 10:50

Sample ID: 17G1427-03

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	96.5		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-24-2

Sampled: 7/31/2017 10:52

Sample ID: 17G1427-04

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	8/8/17	8/25/17 0:47	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.9	30-150						8/25/17 0:47	
Decachlorobiphenyl [2]	88.0	30-150						8/25/17 0:47	
Tetrachloro-m-xylene [1]	89.5	30-150						8/25/17 0:47	
Tetrachloro-m-xylene [2]	94.2	30-150						8/25/17 0:47	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-24-2

Sampled: 7/31/2017 10:52

Sample ID: 17G1427-04

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	90.2		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-24-3

Sampled: 7/31/2017 10:54

Sample ID: 17G1427-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 0:59	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.5	30-150						8/25/17 0:59	
Decachlorobiphenyl [2]	89.8	30-150						8/25/17 0:59	
Tetrachloro-m-xylene [1]	89.3	30-150						8/25/17 0:59	
Tetrachloro-m-xylene [2]	97.4	30-150						8/25/17 0:59	

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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-24-3

Sampled: 7/31/2017 10:54

Sample ID: 17G1427-05

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	89.4		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-1

Sampled: 7/31/2017 11:00

Sample ID: 17G1427-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1260 [2]	0.32	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:11	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.3	30-150						8/25/17 1:11	
Decachlorobiphenyl [2]	93.5	30-150						8/25/17 1:11	
Tetrachloro-m-xylene [1]	84.7	30-150						8/25/17 1:11	
Tetrachloro-m-xylene [2]	89.7	30-150						8/25/17 1:11	

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

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-1

Sampled: 7/31/2017 11:00

Sample ID: 17G1427-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-2

Sampled: 7/31/2017 11:01

Sample ID: 17G1427-07

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	8/25/17 1:23	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 1:23	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.2	30-150						8/25/17 1:23	
Decachlorobiphenyl [2]	89.7	30-150						8/25/17 1:23	
Tetrachloro-m-xylene [1]	88.2	30-150						8/25/17 1:23	
Tetrachloro-m-xylene [2]	92.4	30-150						8/25/17 1:23	

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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-2

Sampled: 7/31/2017 11:01

Sample ID: 17G1427-07

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	94.0		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-3

Sampled: 7/31/2017 11:02

Sample ID: 17G1427-08

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	8/8/17	8/9/17 13:08	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Benzo(a)anthracene	0.19	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Benzo(a)pyrene	0.19	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Benzo(b)fluoranthene	0.25	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Benzo(g,h,i)perylene	0.18	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Chrysene	0.19	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Fluoranthene	0.32	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Pyrene	0.31	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:08	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	85.0	30-130							
2-Fluorobiphenyl	83.5	30-130							
p-Terphenyl-d14	92.0	30-130							

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-3

Sampled: 7/31/2017 11:02

Sample ID: 17G1427-08

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	8/25/17 2:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:12	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.9	30-150							
Decachlorobiphenyl [2]	88.2	30-150							
Tetrachloro-m-xylene [1]	89.9	30-150							
Tetrachloro-m-xylene [2]	94.1	30-150							

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-3

Sampled: 7/31/2017 11:02

Sample ID: 17G1427-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	11	11	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 13:04	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	75.7		50-150					8/8/17 13:04	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-3

Sampled: 7/31/2017 11:02

Sample ID: 17G1427-08

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	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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-4

Sampled: 7/31/2017 11:03

Sample ID: 17G1427-09

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	8/25/17 2:24	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.5	30-150						8/25/17 2:24	
Decachlorobiphenyl [2]	94.0	30-150						8/25/17 2:24	
Tetrachloro-m-xylene [1]	92.6	30-150						8/25/17 2:24	
Tetrachloro-m-xylene [2]	96.9	30-150						8/25/17 2:24	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-25-4

Sampled: 7/31/2017 11:03

Sample ID: 17G1427-09

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	84.0		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-26-1

Sampled: 7/31/2017 11:10

Sample ID: 17G1427-10

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	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1254 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1260 [2]	5.0	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 9:50	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/25/17 9:50	
Decachlorobiphenyl [2]	*	30-150			S-01			8/25/17 9:50	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/25/17 9:50	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/25/17 9:50	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-26-1

Sampled: 7/31/2017 11:10

Sample ID: 17G1427-10

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	94.3		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-26-2

Sampled: 7/31/2017 11:12

Sample ID: 17G1427-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 2:48	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.5	30-150						8/25/17 2:48	
Decachlorobiphenyl [2]	84.8	30-150						8/25/17 2:48	
Tetrachloro-m-xylene [1]	83.5	30-150						8/25/17 2:48	
Tetrachloro-m-xylene [2]	88.0	30-150						8/25/17 2:48	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-26-2

Sampled: 7/31/2017 11:12

Sample ID: 17G1427-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-26-3

Sampled: 7/31/2017 11:14

Sample ID: 17G1427-12

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	8/8/17	8/25/17 3:00	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.3	30-150						8/25/17 3:00	
Decachlorobiphenyl [2]	90.4	30-150						8/25/17 3:00	
Tetrachloro-m-xylene [1]	87.6	30-150						8/25/17 3:00	
Tetrachloro-m-xylene [2]	97.5	30-150						8/25/17 3:00	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-26-3

Sampled: 7/31/2017 11:14

Sample ID: 17G1427-12

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	82.4		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-1

Sampled: 7/31/2017 11:30

Sample ID: 17G1427-13

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	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1254 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1260 [2]	8.4	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/8/17	8/25/17 10:07	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/25/17 10:07	
Decachlorobiphenyl [2]	*	30-150			S-01			8/25/17 10:07	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/25/17 10:07	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/25/17 10:07	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-1

Sampled: 7/31/2017 11:30

Sample ID: 17G1427-13

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	97.2		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-2

Sampled: 7/31/2017 11:31

Sample ID: 17G1427-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1260 [2]	1.1	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.9	30-150						8/25/17 3:24	
Decachlorobiphenyl [2]	88.0	30-150						8/25/17 3:24	
Tetrachloro-m-xylene [1]	80.7	30-150						8/25/17 3:24	
Tetrachloro-m-xylene [2]	90.8	30-150						8/25/17 3:24	

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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-2

Sampled: 7/31/2017 11:31

Sample ID: 17G1427-14

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	97.4		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-3

Sampled: 7/31/2017 11:32

Sample ID: 17G1427-15

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	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1260 [2]	0.25	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:37	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.0	30-150						8/25/17 3:37	
Decachlorobiphenyl [2]	85.4	30-150						8/25/17 3:37	
Tetrachloro-m-xylene [1]	84.1	30-150						8/25/17 3:37	
Tetrachloro-m-xylene [2]	88.0	30-150						8/25/17 3:37	

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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-3

Sampled: 7/31/2017 11:32

Sample ID: 17G1427-15

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	93.8		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-4

Sampled: 7/31/2017 11:33

Sample ID: 17G1427-16

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	8/25/17 3:49	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 3:49	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	64.3	30-150						8/25/17 3:49	
Decachlorobiphenyl [2]	85.0	30-150						8/25/17 3:49	
Tetrachloro-m-xylene [1]	72.4	30-150						8/25/17 3:49	
Tetrachloro-m-xylene [2]	75.6	30-150						8/25/17 3:49	

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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-27-4

Sampled: 7/31/2017 11:33

Sample ID: 17G1427-16

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	66.3		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-1

Sampled: 7/31/2017 11:30

Sample ID: 17G1427-17

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	8/8/17	8/25/17 4:01	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Aroclor-1260 [2]	1.1	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:01	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	50.9	30-150						8/25/17 4:01	
Decachlorobiphenyl [2]	60.3	30-150						8/25/17 4:01	
Tetrachloro-m-xylene [1]	56.6	30-150						8/25/17 4:01	
Tetrachloro-m-xylene [2]	62.8	30-150						8/25/17 4:01	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-1

Sampled: 7/31/2017 11:30

Sample ID: 17G1427-17

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	96.1		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-2

Sampled: 7/31/2017 11:32

Sample ID: 17G1427-18

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	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1221 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1232 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1242 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1248 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1254 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1260 [2]	34	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1262 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Aroclor-1268 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	8/8/17	8/25/17 10:24	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/25/17 10:24	
Decachlorobiphenyl [2]	*	30-150			S-01			8/25/17 10:24	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/25/17 10:24	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/25/17 10:24	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-2

Sampled: 7/31/2017 11:32

Sample ID: 17G1427-18

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	97.1		% 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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-3

Sampled: 7/31/2017 11:34

Sample ID: 17G1427-19

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	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1260 [2]	0.19	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 10:42	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.3	30-150						8/25/17 10:42	
Decachlorobiphenyl [2]	83.5	30-150						8/25/17 10:42	
Tetrachloro-m-xylene [1]	78.1	30-150						8/25/17 10:42	
Tetrachloro-m-xylene [2]	81.4	30-150						8/25/17 10:42	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-3

Sampled: 7/31/2017 11:34

Sample ID: 17G1427-19

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	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: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-4A

Sampled: 7/31/2017 11:36

Sample ID: 17G1427-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1260 [2]	0.20	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/25/17 4:37	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.5	30-150						8/25/17 4:37	
Decachlorobiphenyl [2]	76.9	30-150						8/25/17 4:37	
Tetrachloro-m-xylene [1]	75.0	30-150						8/25/17 4:37	
Tetrachloro-m-xylene [2]	83.7	30-150						8/25/17 4:37	

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

Sample Description:

Work Order: 17G1427

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-4A

Sampled: 7/31/2017 11:36

Sample ID: 17G1427-20

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	59.2		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	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
17G1427-08 [WS-AOC9-SO-25-3]	B183455	30.0	1.00	08/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1427-01 [WS-AOC9-SO-23-3]	B183388	08/05/17
17G1427-02 [WS-AOC9-SO-23-4]	B183388	08/05/17
17G1427-03 [WS-AOC9-SO-24-1]	B183388	08/05/17
17G1427-04 [WS-AOC9-SO-24-2]	B183388	08/05/17
17G1427-05 [WS-AOC9-SO-24-3]	B183388	08/05/17
17G1427-06 [WS-AOC9-SO-25-1]	B183388	08/05/17
17G1427-07 [WS-AOC9-SO-25-2]	B183388	08/05/17
17G1427-08 [WS-AOC9-SO-25-3]	B183388	08/05/17
17G1427-09 [WS-AOC9-SO-25-4]	B183388	08/05/17
17G1427-10 [WS-AOC9-SO-26-1]	B183388	08/05/17
17G1427-11 [WS-AOC9-SO-26-2]	B183388	08/05/17
17G1427-12 [WS-AOC9-SO-26-3]	B183388	08/05/17
17G1427-13 [WS-AOC9-SO-27-1]	B183388	08/05/17
17G1427-14 [WS-AOC9-SO-27-2]	B183388	08/05/17
17G1427-15 [WS-AOC9-SO-27-3]	B183388	08/05/17
17G1427-16 [WS-AOC9-SO-27-4]	B183388	08/05/17
17G1427-17 [WS-AOC9-SO-28-1]	B183388	08/05/17
17G1427-18 [WS-AOC9-SO-28-2]	B183388	08/05/17
17G1427-19 [WS-AOC9-SO-28-3]	B183388	08/05/17
17G1427-20 [WS-AOC9-SO-28-4A]	B183388	08/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1427-01 [WS-AOC9-SO-23-3]	B183606	10.0	10.0	08/08/17
17G1427-02 [WS-AOC9-SO-23-4]	B183606	10.0	10.0	08/08/17
17G1427-03 [WS-AOC9-SO-24-1]	B183606	10.0	10.0	08/08/17
17G1427-04 [WS-AOC9-SO-24-2]	B183606	10.0	10.0	08/08/17
17G1427-05 [WS-AOC9-SO-24-3]	B183606	10.0	10.0	08/08/17
17G1427-06 [WS-AOC9-SO-25-1]	B183606	10.0	10.0	08/08/17
17G1427-07 [WS-AOC9-SO-25-2]	B183606	10.0	10.0	08/08/17
17G1427-08 [WS-AOC9-SO-25-3]	B183606	10.0	10.0	08/08/17
17G1427-09 [WS-AOC9-SO-25-4]	B183606	10.0	10.0	08/08/17
17G1427-10 [WS-AOC9-SO-26-1]	B183606	10.0	10.0	08/08/17
17G1427-11 [WS-AOC9-SO-26-2]	B183606	10.0	10.0	08/08/17
17G1427-12 [WS-AOC9-SO-26-3]	B183606	10.0	10.0	08/08/17
17G1427-13 [WS-AOC9-SO-27-1]	B183606	10.0	10.0	08/08/17
17G1427-14 [WS-AOC9-SO-27-2]	B183606	10.0	10.0	08/08/17
17G1427-15 [WS-AOC9-SO-27-3]	B183606	10.0	10.0	08/08/17
17G1427-16 [WS-AOC9-SO-27-4]	B183606	10.0	10.0	08/08/17
17G1427-17 [WS-AOC9-SO-28-1]	B183606	10.0	10.0	08/08/17
17G1427-18 [WS-AOC9-SO-28-2]	B183606	10.0	10.0	08/08/17
17G1427-19 [WS-AOC9-SO-28-3]	B183606	10.0	10.0	08/08/17
17G1427-20 [WS-AOC9-SO-28-4A]	B183606	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 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1427-08 [WS-AOC9-SO-25-3]	B183610	30.0	1.00	08/08/17

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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 B183610 - SW-846 3546
Blank (B183610-BLK1)

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

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	3.00		mg/Kg wet	3.33		89.9	30-130			
Surrogate: 2-Fluorobiphenyl	3.02		mg/Kg wet	3.33		90.6	30-130			
Surrogate: p-Terphenyl-d14	3.71		mg/Kg wet	3.33		111	30-130			

LCS (B183610-BS1)

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

Acenaphthene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Acenaphthylene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140			
Benzo(a)anthracene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140			
Benzo(a)pyrene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140			
Benzo(b)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(g,h,i)perylene	1.47	0.17	mg/Kg wet	1.67		88.3	40-140			
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Chrysene	1.26	0.17	mg/Kg wet	1.67		75.7	40-140			
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.3	40-140			
Fluoranthene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140			
Fluorene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140			
Indeno(1,2,3-cd)pyrene	1.38	0.17	mg/Kg wet	1.67		83.0	40-140			
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140			
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140			
Phenanthrene	1.22	0.17	mg/Kg wet	1.67		73.4	40-140			
Pyrene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140			
Surrogate: Nitrobenzene-d5	2.88		mg/Kg wet	3.33		86.4	30-130			
Surrogate: 2-Fluorobiphenyl	3.13		mg/Kg wet	3.33		94.0	30-130			
Surrogate: p-Terphenyl-d14	3.42		mg/Kg wet	3.33		103	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183610 - SW-846 3546										
LCS Dup (B183610-BSD1)					Prepared: 08/08/17 Analyzed: 08/09/17					
Acenaphthene	1.16	0.17	mg/Kg wet	1.67		69.5	40-140	3.40	30	
Acenaphthylene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140	3.88	30	
Anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140	0.997	30	
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140	3.26	30	
Benzo(a)pyrene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140	3.76	30	
Benzo(b)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	12.7	30	
Benzo(g,h,i)perylene	1.45	0.17	mg/Kg wet	1.67		87.1	40-140	1.35	30	
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140	1.90	30	
Chrysene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140	4.34	30	
Dibenz(a,h)anthracene	1.40	0.17	mg/Kg wet	1.67		83.7	40-140	0.738	30	
Fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140	4.10	30	
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140	5.47	30	
Indeno(1,2,3-cd)pyrene	1.28	0.17	mg/Kg wet	1.67		76.8	40-140	7.73	30	
2-Methylnaphthalene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140	2.97	30	
Naphthalene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	1.55	30	
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140	1.73	30	
Pyrene	1.27	0.17	mg/Kg wet	1.67		76.1	40-140	4.14	30	
Surrogate: Nitrobenzene-d5	2.88		mg/Kg wet	3.33		86.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.97		mg/Kg wet	3.33		89.1	30-130			
Surrogate: p-Terphenyl-d14	3.23		mg/Kg wet	3.33		97.0	30-130			

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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 B183606 - SW-846 3540C										
Blank (B183606-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		89.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.3	30-150			
LCS (B183606-BS1)										
Prepared: 08/08/17 Analyzed: 08/24/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.2	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.4	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		69.8	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		74.1	40-140			
Surrogate: Decachlorobiphenyl	0.166		mg/Kg wet	0.200		82.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.158		mg/Kg wet	0.200		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		81.9	30-150			
LCS Dup (B183606-BSD1)										
Prepared: 08/08/17 Analyzed: 08/24/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.6	40-140	2.11	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.9	40-140	0.566	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		67.5	40-140	3.34	30	
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		71.7	40-140	3.29	30	
Surrogate: Decachlorobiphenyl	0.154		mg/Kg wet	0.200		77.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.171		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg wet	0.200		81.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.169		mg/Kg wet	0.200		84.4	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 B183606 - SW-846 3540C

Matrix Spike (B183606-MS1)

Source: 17G1427-11

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

Aroclor-1016	0.21	0.11	mg/Kg dry	0.215	ND	98.0	40-140			
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.215	ND	96.0	40-140			
Aroclor-1260	0.15	0.11	mg/Kg dry	0.215	ND	72.0	40-140			
Aroclor-1260 [2C]	0.17	0.11	mg/Kg dry	0.215	ND	78.9	40-140			
Surrogate: Decachlorobiphenyl	0.151		mg/Kg dry	0.215		70.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg dry	0.215		83.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg dry	0.215		83.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg dry	0.215		87.6	30-150			

Matrix Spike Dup (B183606-MSD1)

Source: 17G1427-11

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

Aroclor-1016	0.21	0.11	mg/Kg dry	0.215	ND	97.4	40-140	0.676	50	
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.215	ND	97.7	40-140	1.71	50	
Aroclor-1260	0.16	0.11	mg/Kg dry	0.215	ND	74.6	40-140	3.62	50	
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.215	ND	81.7	40-140	3.45	50	
Surrogate: Decachlorobiphenyl	0.157		mg/Kg dry	0.215		72.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg dry	0.215		86.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg dry	0.215		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg dry	0.215		87.6	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 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			

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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-DUP6)
Source: 17G1427-11

Prepared: 08/05/17 Analyzed: 08/07/17

% Solids	93.5		% Wt		93.0			0.536	20	
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-23-3

Lab Sample ID: 17G1427-01 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	33	
	2	0.000	-0.030	0.030	36	8.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-23-4**Lab Sample ID: 17G1427-02 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	1.9	
	2	0.000	-0.030	0.030	2.1	10.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-24-1**Lab Sample ID: 17G1427-03 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	1.5	
	2	0.000	-0.030	0.030	1.6	6.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-25-1**Lab Sample ID: 17G1427-06 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	0.30	
	2	0.000	-0.030	0.030	0.32	6.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-26-1**Lab Sample ID: 17G1427-10 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	4.7	
	2	0.000	-0.030	0.030	5.0	6.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-27-1**Lab Sample ID: 17G1427-13 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	7.8	
	2	0.000	-0.030	0.030	8.4	7.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-27-2**Lab Sample ID: 17G1427-14 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	0.99	
	2	0.000	-0.030	0.030	1.1	10.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-27-3**Lab Sample ID: 17G1427-15 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	0.23	
	2	0.000	-0.030	0.030	0.25	8.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-28-1**Lab Sample ID: 17G1427-17 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	1.0	
	2	0.000	-0.030	0.030	1.1	9.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-28-2**Lab Sample ID: 17G1427-18 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	31	
	2	0.000	-0.030	0.030	34	9.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC9-SO-28-3***SW-846 8082A*Lab Sample ID: 17G1427-19 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	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-28-4A**Lab Sample ID: 17G1427-20 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	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

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

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

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

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



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

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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC9-SO-23-3	7/31/17	10:42	X		S	V
2	WS-AOC9-SO-23-4		10:43				
3	WS-AOC9-SO-24-1		10:50				
4	WS-AOC9-SO-24-2		10:52				
5	WS-AOC9-SO-24-3		10:54				
6	WS-AOC9-SO-25-1		11:00				
7	WS-AOC9-SO-25-2		11:01				
8	WS-AOC9-SO-25-3		11:02				
9	WS-AOC9-SO-25-4		11:03				
10	WS-AOC9-SO-26-1		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: 7/31/17 1540	Detection Limit Requirements MA CT Other	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited
Received by: (signature)	Date/Time: 7/31/17 1540		
Relinquished by: (signature)	Date/Time: 7/31/17 5:20		
Received by: (signature)	Date/Time: 7/31/17 1720		
Relinquished by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:	TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.	

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



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

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

Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD

Page 4 of 10

Requested Turnaround Time	7-Day ☒ 10-Day ☐
Other:	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
11	WS-AOC9-SO-26-2	7/31/17	11:12		X	S	U
12	WS-AOC9-SO-26-3		11:14				
13	WS-AOC9-SO-27-1		11:30				
14	WS-AOC9-SO-27-2		11:31				
15	WS-AOC9-SO-27-3		11:32				
16	WS-AOC9-SO-27-4		11:33				
17	WS-AOC9-SO-28-1		11:30				
18	WS-AOC9-SO-28-2		11:32				
19	WS-AOC9-SO-28-3		11:34				
20	WS-AOC9-SO-28-4A		11:36				

Comments:

WS-AOC9-SO-26-2 (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: 7/31/17 1540	Detection Limit Requirements	MA
Received by: (signature)	Date/Time: 7/31/17 1540	Program Information	
Relinquished by: (signature)	Date/Time: 7/31/17 1540	☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # _____	
Received by: (signature)	Date/Time: 7/31/17 1540	RES DEC	
Relinquished by: (signature)	Date/Time: 7/31/17 1720	Other	
Received by: (signature)	Date/Time: 7/31/17 1720	NEELAC 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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F: 413-525-6405
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ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson
Received By 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? 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\A080817\A0808026.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808026.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	388980	411456	-5
c - 10	1.64	396998	411456	-4
c - 12	2.37	411639	411456	0
c - 14	3.05	421922	411456	3
c - 16	3.66	430652	411456	5
c - 18	4.29	421549	411456	2
o-Terphenyl	4.57	462441	411456	
c - 20	4.90	423660	411456	3
c - 22	5.40	424781	411456	3
c - 24	5.84	392353	411456	-5
c - 26	6.24	411491	411456	0
c - 28	6.60	408915	411456	-1
c - 30	6.93	411875	411456	0
c - 32	7.25	406095	411456	-1
c - 34	7.55	410201	411456	0
c - 36	7.90	410728	411456	0

* One compound allowed %D <= 50%

Samples

17G1436-03
 17G1436-10
 17G1436-16
 17G1436-18

D:\HPCHEM\1\DATA\A080817\A0808056.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808056.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%%D +/- 20
c - 9	1.29	383797	405490	-5
c - 10	1.64	393392	405490	-3
c - 12	2.37	407478	405490	0
c - 14	3.05	416808	405490	3
c - 16	3.66	424484	405490	5
c - 18	4.29	416419	405490	3
o-Terphenyl	4.57	456536	405490	
c - 20	4.90	416752	405490	3
c - 22	5.40	418018	405490	3
c - 24	5.84	386270	405490	-5
c - 26	6.24	404998	405490	0
c - 28	6.60	401550	405490	-1
c - 30	6.93	403933	405490	0
c - 32	7.25	399548	405490	-1
c - 34	7.55	403584	405490	0
c - 36	7.90	405319	405490	0

* One compound allowed %D <= 50%

Samples

17G1308-06@5X
 17G1308-07@10X
 17G1308-08@10X
 17G1308-09@5X
 17G1308-10@5X
 17G1308-11@5X
 17G1306-16@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808027.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
Data File Name A0808027.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	501091	527474	-5
c - 10	1.62	509918	527474	-3
c - 12	2.34	523832	527474	-1
c - 14	3.01	534044	527474	1
c - 16	3.61	544812	527474	3
c - 18	4.23	538107	527474	2
o-Terphenyl	4.51	603381	527474	
c - 20	4.83	545360	527474	3
c - 22	5.34	555321	527474	5
c - 24	5.78	518184	527474	-2
c - 26	6.17	544315	527474	3
c - 28	6.53	534693	527474	1
c - 30	6.86	529438	527474	0
c - 32	7.17	513011	527474	-3
c - 34	7.46	510904	527474	-3
c - 36	7.78	509084	527474	-3

* One compound allowed %D <= 50%

Samples

17G1427-08
17G1420-03
17H0095-01
17G1436-06@5X
17H0128-01@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808057.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
 Data File Name A0808057.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	513475	550925	-7
c - 10	1.63	527505	550925	-4
c - 12	2.34	545732	550925	-1
c - 14	3.01	555761	550925	1
c - 16	3.61	566695	550925	3
c - 18	4.23	559895	550925	2
o-Terphenyl	4.51	629289	550925	
c - 20	4.83	568081	550925	3
c - 22	5.34	577653	550925	5
c - 24	5.78	539940	550925	-2
c - 26	6.17	569107	550925	3
c - 28	6.53	560263	550925	2
c - 30	6.86	557230	550925	1
c - 32	7.17	541079	550925	-2
c - 34	7.46	539966	550925	-2
c - 36	7.78	541485	550925	-2

* One compound allowed %D <= 50%

Samples

17G1308-01@5X
 17G1308-02@10X
 17G1308-04@5X
 17G1308-12
 17G1308-09

D:\HPCHEM\1\DATA\A080817.SEC\A0808091.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/8/17
Data File Name A0808091.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	510955	541042	-6
c - 10	1.63	525974	541042	-3
c - 12	2.35	543074	541042	0
c - 14	3.01	551824	541042	2
c - 16	3.62	561754	541042	4
c - 18	4.23	554097	541042	2
o-Terphenyl	4.51	619051	541042	
c - 20	4.84	559993	541042	4
c - 22	5.34	567172	541042	5
c - 24	5.78	527365	541042	-3
c - 26	6.17	552723	541042	2
c - 28	6.53	542504	541042	0
c - 30	6.86	539598	541042	0
c - 32	7.17	526274	541042	-3
c - 34	7.46	526655	541042	-3
c - 36	7.78	525668	541042	-3

* One compound allowed %D <= 50%

Samples

17H0128-02
17G1436-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17G1427

Laboratory Sample ID(s):

17G1427-01 thru 17G1427-20

Sample Date(s):

07/31/2017

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: 08/25/17
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: 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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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-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.

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**

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							
2-Fluorobiphenyl	39.8	30-130							
p-Terphenyl-d14	37.0	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-AOC9-SO-28-4B

Sampled: 7/31/2017 11:38

Sample ID: 17G1436-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	41	18	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/9/17 8:00	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	64.4		50-150					8/9/17 8:00	

39 Spruce Street * 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

Conventional 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							
2-Fluorobiphenyl	83.9	30-130							
p-Terphenyl-d14	92.3	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-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							
Decachlorobiphenyl [2]	82.8	30-150							
Tetrachloro-m-xylene [1]	83.0	30-150							
Tetrachloro-m-xylene [2]	95.5	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-1-2

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						8/24/17 17:59	
Decachlorobiphenyl [2]	54.1	30-150						8/24/17 17:59	
Tetrachloro-m-xylene [1]	55.3	30-150						8/24/17 17:59	
Tetrachloro-m-xylene [2]	64.0	30-150						8/24/17 17:59	

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-3

Sampled: 7/31/2017 14:22

Sample ID: 17G1436-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.6		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1A

Sampled: 7/31/2017 14:16

Sample ID: 17G1436-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1260 [2]	0.41	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.5	30-150							
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	8/9/17 14:17
Nitrobenzene-d5	45.8	30-130	8/9/17 17:00
2-Fluorobiphenyl	52.3	30-130	8/9/17 14:17
2-Fluorobiphenyl	43.9	30-130	8/9/17 17:00
p-Terphenyl-d14	60.4	30-130	8/9/17 14:17
p-Terphenyl-d14	54.7	30-130	8/9/17 17:00

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1B

Sampled: 7/31/2017 14:18

Sample ID: 17G1436-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	52	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 14:52	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	54.8		50-150					8/8/17 14:52	

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1B

Sampled: 7/31/2017 14:18

Sample ID: 17G1436-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.0		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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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	

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

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-2

Sampled: 7/31/2017 14:20

Sample ID: 17G1436-07

Sample Matrix: Soil

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

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

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

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-3

Sampled: 7/31/2017 14:22

Sample ID: 17G1436-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.1	30-150						8/24/17 18:52	
Decachlorobiphenyl [2]	71.4	30-150						8/24/17 18:52	
Tetrachloro-m-xylene [1]	65.5	30-150						8/24/17 18:52	
Tetrachloro-m-xylene [2]	74.4	30-150						8/24/17 18:52	

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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						8/24/17 19:28	
Decachlorobiphenyl [2]	86.7	30-150						8/24/17 19:28	
Tetrachloro-m-xylene [1]	90.4	30-150						8/24/17 19:28	
Tetrachloro-m-xylene [2]	101	30-150						8/24/17 19:28	

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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							
Decachlorobiphenyl [2]	105	30-150							
Tetrachloro-m-xylene [1]	86.8	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: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-1

Sampled: 7/31/2017 15:05

Sample ID: 17G1436-13

Sample Matrix: Soil

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

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

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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						8/24/17 21:44	
Decachlorobiphenyl [2]	72.9	30-150						8/24/17 21:44	
Tetrachloro-m-xylene [1]	71.9	30-150						8/24/17 21:44	
Tetrachloro-m-xylene [2]	81.3	30-150						8/24/17 21:44	

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-4

Sampled: 7/31/2017 15:08

Sample ID: 17G1436-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	20	15	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 13:22	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	72.6		50-150					8/8/17 13:22	

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-4

Sampled: 7/31/2017 15:08

Sample ID: 17G1436-16

Sample Matrix: Soil

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

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

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-1

Sampled: 7/31/2017 15:10

Sample ID: 17G1436-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1260 [2]	0.12	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.9	30-150							
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

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

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-3

Sampled: 7/31/2017 15:14

Sample ID: 17G1436-19

Sample Matrix: Soil

Polychlorinated 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							

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

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-3

Sampled: 7/31/2017 15:14

Sample ID: 17G1436-19

Sample Matrix: Soil

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

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

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

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: Trip Blank

Sampled: 7/31/2017 10:42

Sample ID: 17G1436-20

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
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

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

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

Sample Description:

Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: Trip Blank

Sampled: 7/31/2017 10:42

Sample ID: 17G1436-20

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	100	70-130							
Toluene-d8	107	70-130							
4-Bromofluorobenzene	105	70-130							

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
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

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 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
Batch B183153 - SW-846 5035										
Blank (B183153-BLK1)				Prepared & Analyzed: 08/02/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							V-16
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	0.0500		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)					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)					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

SW-846 8082A

WS-AOC8-SO-1-1

Lab Sample ID: 17G1436-02 Date(s) Analyzed: 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.23	14.0

**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

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
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



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

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotinak

Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

Page 5 of 10

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
1	WS-AOC 9-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 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	Detection Limit Requirements
<i>[Signature]</i>	7/31/17 15:40	MA
Received by: (signature)	Date/Time	
<i>[Signature]</i>	7/31/17 15:40	
Relinquished by: (signature)	Date/Time	
<i>[Signature]</i>	7/31/17 5:20	CT
Received by: (signature)	Date/Time	
<i>[Signature]</i>	7/31/17 17:20	Other
Relinquished by: (signature)	Date/Time	
<i>[Signature]</i>		
Received by: (signature)	Date/Time	
<i>[Signature]</i>		

Program Information

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

PWSID #

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



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

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid: Weston & Sampson

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-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 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 15:40	Detection Limit Requirements MA CT Other:	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analytical Certification Form Required ☐ MA State DW Form Required PWSID # 7/31/17 1720 NELAP and AHA-LAP, LLC Accredited
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:		

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.

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
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	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-	<u>1</u>	250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-	<u>2</u>	Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	

Encore
Frozen: 7/31/17 1720

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	

Encore
Frozen:

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



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	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

V-06

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

Analyte & 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							
Decachlorobiphenyl [2]	65.2	30-150							
Tetrachloro-m-xylene [1]	60.6	30-150							
Tetrachloro-m-xylene [2]	68.5	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-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

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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

Polychlorinated 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

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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-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	

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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-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						8/10/17 9:15	
Decachlorobiphenyl [2]	96.6	30-150						8/10/17 9:15	
Tetrachloro-m-xylene [1]	95.4	30-150						8/10/17 9:15	
Tetrachloro-m-xylene [2]	98.3	30-150						8/10/17 9:15	

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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						8/10/17 9:51	
Decachlorobiphenyl [2]	91.6	30-150						8/10/17 9:51	
Tetrachloro-m-xylene [1]	87.6	30-150						8/10/17 9:51	
Tetrachloro-m-xylene [2]	92.9	30-150						8/10/17 9:51	

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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
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
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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			

**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

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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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 8 of 10

Company Name: **con-test**
Address: 273 Dividend Road, Rocky Hill CT
Phone: 860-513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven CT
Project Number: 2120495
Project Manager: Mulcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Mulcolm Beeler (weston samples)
Sampled By: Nicholas Aves

Requested Turnaround Time:
7-Day ☒ 10-Day ☐
Due Date:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: beeler@wslinc.com
Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
5	WS-AOC-12W-AS-1	7/31/17	1015		X	O	
6	WS-AOC-12W-AS-2		1020				
7	WS-AOC-12W-AS-3		1025				
8	WS-AOC-12W-AS-4		1050				
9	WS-AOC-12W-AS-5		1055				
10	WS-AOC-12W-AS-6		1100				
11	WS-AOC-12W-AS-7		1120				
12	WS-AOC-12W-AS-8		1125				
13	WS-AOC-12W-AS-9		1130				
14	WS-AOC-12W-AS-10		1140				

Comments:

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

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

Relinquished by: (signature) *[Signature]* Date/Time: 7/31/17 1:540
Received by: (signature) *[Signature]* Date/Time: 1540
Relinquished by: (signature) *[Signature]* Date/Time: 5:20
Received by: (signature) *[Signature]* Date/Time: 1220
Relinquished by: (signature) *[Signature]* Date/Time: 1220
Received by: (signature) *[Signature]* Date/Time: 1220

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



RELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
MWRA ☐ School ☐ MBTA ☐
WRTA ☐
Other ☐ Chromatogram ☐ AIHA-LAP, LLC ☐

PCB ONLY
☐ Soxhlet ☐ Non Soxhlet

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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 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? T
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	
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: 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 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: 17H0061

Enclosed are results of analyses for samples received by the laboratory on August 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", 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: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0061

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-39-2	17H0061-01	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-39-3	17H0061-02	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-36-1	17H0061-03	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-36-2	17H0061-04	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-36-3	17H0061-05	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-37-4	17H0061-06	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-38-1	17H0061-07	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-38-2	17H0061-08	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-38-3	17H0061-09	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC9-SO-40-1	17H0061-10	Soil		SM 2540G SW-846 8082A	
WS-AOC9-SO-40-2	17H0061-11	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
Trip Blank	17H0061-12	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.

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**

17H0061-09RE1[WS-AOC9-SO-38-3]

SW-846 8260C**Qualifications:****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**

17H0061-12[Trip Blank], B183261-BLK1, B183261-BS1

SW-846 8270D**Qualifications:****RL-12**

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H0061-09[WS-AOC9-SO-38-3], 17H0061-11[WS-AOC9-SO-40-2]

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-39-2

Sampled: 8/1/2017 14:32

Sample ID: 17H0061-01

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	8/9/17	8/24/17 18:41	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:41	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.8	30-150							
Decachlorobiphenyl [2]	84.0	30-150							
Tetrachloro-m-xylene [1]	77.4	30-150							
Tetrachloro-m-xylene [2]	77.9	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-39-2

Sampled: 8/1/2017 14:32

Sample ID: 17H0061-01

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	83.6		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-39-3

Sampled: 8/1/2017 14:34

Sample ID: 17H0061-02

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	8/9/17	8/24/17 18:54	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 18:54	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.1	30-150						8/24/17 18:54	
Decachlorobiphenyl [2]	82.1	30-150						8/24/17 18:54	
Tetrachloro-m-xylene [1]	77.8	30-150						8/24/17 18:54	
Tetrachloro-m-xylene [2]	82.9	30-150						8/24/17 18:54	

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-39-3

Sampled: 8/1/2017 14:34

Sample ID: 17H0061-02

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	91.8		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-36-1

Sampled: 8/1/2017 14:36

Sample ID: 17H0061-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:06	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.6	30-150						8/24/17 19:06	
Decachlorobiphenyl [2]	79.7	30-150						8/24/17 19:06	
Tetrachloro-m-xylene [1]	73.6	30-150						8/24/17 19:06	
Tetrachloro-m-xylene [2]	79.4	30-150						8/24/17 19:06	

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-36-1

Sampled: 8/1/2017 14:36

Sample ID: 17H0061-03

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	80.8		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-36-2

Sampled: 8/1/2017 14:37

Sample ID: 17H0061-04

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	8/9/17	8/24/17 19:18	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.3	30-150						8/24/17 19:18	
Decachlorobiphenyl [2]	88.2	30-150						8/24/17 19:18	
Tetrachloro-m-xylene [1]	81.4	30-150						8/24/17 19:18	
Tetrachloro-m-xylene [2]	85.8	30-150						8/24/17 19:18	

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-36-2

Sampled: 8/1/2017 14:37

Sample ID: 17H0061-04

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	88.8		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-36-3

Sampled: 8/1/2017 14:38

Sample ID: 17H0061-05

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	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:30	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.7	30-150						8/24/17 19:30	
Decachlorobiphenyl [2]	87.7	30-150						8/24/17 19:30	
Tetrachloro-m-xylene [1]	82.5	30-150						8/24/17 19:30	
Tetrachloro-m-xylene [2]	80.5	30-150						8/24/17 19:30	

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

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-36-3

Sampled: 8/1/2017 14:38

Sample ID: 17H0061-05

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	63.2		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-37-4

Sampled: 8/1/2017 14:34

Sample ID: 17H0061-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1260 [2]	0.63	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:42	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.9	30-150						8/24/17 19:42	
Decachlorobiphenyl [2]	94.1	30-150						8/24/17 19:42	
Tetrachloro-m-xylene [1]	67.4	30-150						8/24/17 19:42	
Tetrachloro-m-xylene [2]	69.7	30-150						8/24/17 19:42	

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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-37-4

Sampled: 8/1/2017 14:34

Sample ID: 17H0061-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-1

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-07

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	8/9/17	8/24/17 19:55	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 19:55	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.6	30-150						8/24/17 19:55	
Decachlorobiphenyl [2]	75.2	30-150						8/24/17 19:55	
Tetrachloro-m-xylene [1]	71.7	30-150						8/24/17 19:55	
Tetrachloro-m-xylene [2]	77.4	30-150						8/24/17 19:55	

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-1

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-2

Sampled: 8/1/2017 14:51

Sample ID: 17H0061-08

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	8/9/17	8/24/17 20:07	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:07	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.1	30-150							
Decachlorobiphenyl [2]	79.2	30-150							
Tetrachloro-m-xylene [1]	78.0	30-150							
Tetrachloro-m-xylene [2]	81.8	30-150							

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-2

Sampled: 8/1/2017 14:51

Sample ID: 17H0061-08

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	93.6		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-3

Sampled: 8/1/2017 14:52

Sample ID: 17H0061-09

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
Acenaphthene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Acenaphthylene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Anthracene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Benzo(a)anthracene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Benzo(a)pyrene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Benzo(b)fluoranthene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Benzo(g,h,i)perylene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Benzo(k)fluoranthene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Chrysene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Dibenz(a,h)anthracene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Fluoranthene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Fluorene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Indeno(1,2,3-cd)pyrene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
2-Methylnaphthalene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Naphthalene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Phenanthrene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Pyrene	ND	0.62	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 13:59	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	63.8	30-130						8/15/17 13:59	
2-Fluorobiphenyl	51.0	30-130						8/15/17 13:59	
p-Terphenyl-d14	52.8	30-130						8/15/17 13:59	

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-3

Sampled: 8/1/2017 14:52

Sample ID: 17H0061-09

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	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:19	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.5	30-150							
Decachlorobiphenyl [2]	84.6	30-150							
Tetrachloro-m-xylene [1]	76.6	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-3

Sampled: 8/1/2017 14:52

Sample ID: 17H0061-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	660	360	mg/Kg dry	20		CTDEP ETPH	8/11/17	8/14/17 21:53	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/14/17 21:53	

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-38-3

Sampled: 8/1/2017 14:52

Sample ID: 17H0061-09

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	54.9		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-40-1

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-10

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	8/9/17	8/24/17 20:31	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Aroclor-1260 [2]	1.0	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.3	30-150							
Decachlorobiphenyl [2]	108	30-150							
Tetrachloro-m-xylene [1]	69.5	30-150							
Tetrachloro-m-xylene [2]	71.8	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-40-1

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-10

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	96.4		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-40-2

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-11

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
Acenaphthene	ND	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Acenaphthylene	ND	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Anthracene	ND	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Benzo(a)anthracene	1.3	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Benzo(a)pyrene	1.2	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Benzo(b)fluoranthene	1.6	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Benzo(g,h,i)perylene	0.81	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Benzo(k)fluoranthene	0.62	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Chrysene	1.2	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Dibenz(a,h)anthracene	ND	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Fluoranthene	2.4	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Fluorene	ND	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Indeno(1,2,3-cd)pyrene	0.79	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
2-Methylnaphthalene	ND	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Naphthalene	ND	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Phenanthrene	1.3	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Pyrene	2.2	0.39	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 14:22	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	57.6	30-130							
2-Fluorobiphenyl	54.6	30-130							
p-Terphenyl-d14	59.3	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-40-2

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1260 [2]	0.30	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 20:43	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.0	30-150							
Decachlorobiphenyl [2]	93.4	30-150							
Tetrachloro-m-xylene [1]	81.2	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: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-40-2

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	240	57	mg/Kg dry	5		CTDEP ETPH	8/9/17	8/11/17 2:56	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	70.4		50-150					8/11/17 2:56	

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-40-2

Sampled: 8/1/2017 14:50

Sample ID: 17H0061-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: Trip Blank

Sampled: 8/1/2017 00:00

Sample ID: 17H0061-12

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 15:43	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF

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

Sample Description:

Work Order: 17H0061

Date Received: 8/1/2017

Field Sample #: Trip Blank

Sampled: 8/1/2017 00:00

Sample ID: 17H0061-12

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 15:43	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	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 15:43	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/3/17	8/3/17 15:43	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	102	70-130						8/3/17 15:43	
Toluene-d8	104	70-130						8/3/17 15:43	
4-Bromofluorobenzene	101	70-130						8/3/17 15:43	

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0061-11 [WS-AOC9-SO-40-2]	B183690	30.0	1.00	08/09/17

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0061-09RE1 [WS-AOC9-SO-38-3]	B183917	30.0	1.00	08/11/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0061-01 [WS-AOC9-SO-39-2]	B183482	08/07/17
17H0061-02 [WS-AOC9-SO-39-3]	B183482	08/07/17
17H0061-03 [WS-AOC9-SO-36-1]	B183482	08/07/17
17H0061-04 [WS-AOC9-SO-36-2]	B183482	08/07/17
17H0061-05 [WS-AOC9-SO-36-3]	B183482	08/07/17
17H0061-06 [WS-AOC9-SO-37-4]	B183482	08/07/17
17H0061-07 [WS-AOC9-SO-38-1]	B183482	08/07/17
17H0061-08 [WS-AOC9-SO-38-2]	B183482	08/07/17
17H0061-09 [WS-AOC9-SO-38-3]	B183482	08/07/17
17H0061-10 [WS-AOC9-SO-40-1]	B183482	08/07/17
17H0061-11 [WS-AOC9-SO-40-2]	B183482	08/07/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0061-01 [WS-AOC9-SO-39-2]	B183729	10.0	10.0	08/09/17
17H0061-02 [WS-AOC9-SO-39-3]	B183729	10.0	10.0	08/09/17
17H0061-03 [WS-AOC9-SO-36-1]	B183729	10.0	10.0	08/09/17
17H0061-04 [WS-AOC9-SO-36-2]	B183729	10.0	10.0	08/09/17
17H0061-05 [WS-AOC9-SO-36-3]	B183729	10.0	10.0	08/09/17
17H0061-06 [WS-AOC9-SO-37-4]	B183729	10.0	10.0	08/09/17
17H0061-07 [WS-AOC9-SO-38-1]	B183729	10.0	10.0	08/09/17
17H0061-08 [WS-AOC9-SO-38-2]	B183729	10.0	10.0	08/09/17
17H0061-09 [WS-AOC9-SO-38-3]	B183729	10.0	10.0	08/09/17
17H0061-10 [WS-AOC9-SO-40-1]	B183729	10.0	10.0	08/09/17
17H0061-11 [WS-AOC9-SO-40-2]	B183729	10.0	10.0	08/09/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0061-12 [Trip Blank]	B183261	5.00	10.0	08/03/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0061-09 [WS-AOC9-SO-38-3]	B183687	30.0	1.00	08/09/17
17H0061-11 [WS-AOC9-SO-40-2]	B183687	30.0	1.00	08/09/17

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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 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
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 B183261 - SW-846 5035
Blank (B183261-BLK1)

Prepared & Analyzed: 08/03/17

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	0.0504		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			

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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						
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			
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
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Batch B183687 - SW-846 3546
Blank (B183687-BLK1)

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

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	2.50		mg/Kg wet	3.33		75.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.47		mg/Kg wet	3.33		74.2	30-130			
Surrogate: p-Terphenyl-d14	3.14		mg/Kg wet	3.33		94.1	30-130			

LCS (B183687-BS1)

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

Acenaphthene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140			
Acenaphthylene	1.13	0.17	mg/Kg wet	1.67		67.7	40-140			
Anthracene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140			
Benzo(a)anthracene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			
Benzo(a)pyrene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140			
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.0	40-140			
Benzo(g,h,i)perylene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140			
Benzo(k)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140			
Chrysene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140			
Dibenz(a,h)anthracene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140			
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.0	40-140			
Fluorene	1.15	0.17	mg/Kg wet	1.67		69.3	40-140			
Indeno(1,2,3-cd)pyrene	1.39	0.17	mg/Kg wet	1.67		83.1	40-140			
2-Methylnaphthalene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140			
Naphthalene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140			
Pyrene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140			
Surrogate: Nitrobenzene-d5	2.84		mg/Kg wet	3.33		85.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.97		mg/Kg wet	3.33		89.2	30-130			
Surrogate: p-Terphenyl-d14	3.03		mg/Kg wet	3.33		90.9	30-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546										
LCS Dup (B183687-BSD1)					Prepared: 08/09/17 Analyzed: 08/10/17					
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	8.10	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.1	40-140	8.57	30	
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	5.70	30	
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	6.44	30	
Benzo(a)pyrene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140	7.04	30	
Benzo(b)fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	4.43	30	
Benzo(g,h,i)perylene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140	3.03	30	
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	8.07	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	6.52	30	
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140	4.71	30	
Fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140	6.02	30	
Fluorene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	6.44	30	
Indeno(1,2,3-cd)pyrene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140	4.73	30	
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140	10.2	30	
Naphthalene	1.02	0.17	mg/Kg wet	1.67		60.9	40-140	11.2	30	
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		63.9	40-140	4.97	30	
Pyrene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	5.31	30	
Surrogate: Nitrobenzene-d5	2.54		mg/Kg wet	3.33		76.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.64		mg/Kg wet	3.33		79.3	30-130			
Surrogate: p-Terphenyl-d14	2.79		mg/Kg wet	3.33		83.8	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 B183729 - SW-846 3540C
Blank (B183729-BLK1)

Prepared: 08/09/17 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	0.170		mg/Kg wet	0.200		84.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg wet	0.200		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		87.0	30-150			

LCS (B183729-BS1)

Prepared: 08/09/17 Analyzed: 08/24/17

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.8	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.5	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.3	40-140			
Surrogate: Decachlorobiphenyl	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.1	30-150			

LCS Dup (B183729-BSD1)

Prepared: 08/09/17 Analyzed: 08/24/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.1	40-140	2.56	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.7	40-140	2.22	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.3	40-140	4.01	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.8	40-140	4.10	30	
Surrogate: Decachlorobiphenyl	0.185		mg/Kg wet	0.200		92.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.175		mg/Kg wet	0.200		87.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183729 - SW-846 3540C

Matrix Spike (B183729-MS1)

Source: 17H0061-01

Prepared: 08/09/17 Analyzed: 08/24/17

Aroclor-1016	0.22	0.12	mg/Kg dry	0.239	ND	92.5	40-140			
Aroclor-1016 [2C]	0.23	0.12	mg/Kg dry	0.239	ND	95.0	40-140			
Aroclor-1260	0.17	0.12	mg/Kg dry	0.239	ND	70.2	40-140			
Aroclor-1260 [2C]	0.18	0.12	mg/Kg dry	0.239	ND	74.4	40-140			
Surrogate: Decachlorobiphenyl	0.176		mg/Kg dry	0.239		73.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg dry	0.239		83.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg dry	0.239		79.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg dry	0.239		84.0	30-150			

Matrix Spike Dup (B183729-MSD1)

Source: 17H0061-01

Prepared: 08/09/17 Analyzed: 08/24/17

Aroclor-1016	0.22	0.12	mg/Kg dry	0.239	ND	90.3	40-140	2.43	50	
Aroclor-1016 [2C]	0.21	0.12	mg/Kg dry	0.239	ND	87.9	40-140	7.80	50	
Aroclor-1260	0.17	0.12	mg/Kg dry	0.239	ND	69.6	40-140	0.862	50	
Aroclor-1260 [2C]	0.18	0.12	mg/Kg dry	0.239	ND	73.8	40-140	0.823	50	
Surrogate: Decachlorobiphenyl	0.173		mg/Kg dry	0.239		72.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg dry	0.239		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg dry	0.239		76.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg dry	0.239		77.6	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 B183690 - SW-846 3546										
Blank (B183690-BLK1)					Prepared: 08/09/17 Analyzed: 08/10/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.48		mg/Kg wet	3.33		74.3	50-150			
LCS (B183690-BS1)					Prepared: 08/09/17 Analyzed: 08/10/17					
CT ETPH	20.2	10	mg/Kg wet	33.3		60.6	60-120			
Surrogate: o-Terphenyl	2.62		mg/Kg wet	3.33		78.7	50-150			
LCS Dup (B183690-BSD1)					Prepared: 08/09/17 Analyzed: 08/10/17					
CT ETPH	21.0	10	mg/Kg wet	33.3		62.9	60-120	3.78	30	
Surrogate: o-Terphenyl	2.41		mg/Kg wet	3.33		72.3	50-150			
Batch B183917 - SW-846 3546										
Blank (B183917-BLK1)					Prepared: 08/11/17 Analyzed: 08/14/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.82		mg/Kg wet	3.33		84.5	50-150			
LCS (B183917-BS1)					Prepared: 08/11/17 Analyzed: 08/14/17					
CT ETPH	24.6	10	mg/Kg wet	33.3		73.9	60-120			
Surrogate: o-Terphenyl	2.86		mg/Kg wet	3.33		85.7	50-150			
LCS Dup (B183917-BSD1)					Prepared: 08/11/17 Analyzed: 08/14/17					
CT ETPH	26.3	10	mg/Kg wet	33.3		79.0	60-120	6.70	30	
Surrogate: o-Terphenyl	3.06		mg/Kg wet	3.33		91.8	50-150			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B183482 - % Solids
Duplicate (B183482-DUP7)
Source: 17H0061-01

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

% Solids	79.7		% Wt		83.6			4.78	20	
----------	------	--	------	--	------	--	--	------	----	--

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC9-SO-37-4***SW-846 8082A*

Lab Sample ID: 17H0061-06 Date(s) Analyzed: 08/24/2017 08/24/2017
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.56	
	2	0.000	-0.030	0.030	0.63	11.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-40-1**Lab Sample ID: 17H0061-10 Date(s) Analyzed: 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.97	
	2	0.000	-0.030	0.030	1.0	3.1

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC9-SO-40-2**Lab Sample ID: 17H0061-11 Date(s) Analyzed: 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.30	3.4

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.
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



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

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
001	WS-AOC9-SO-39-2	8/11/17	14:32		X	S	U
002	WS-AOC9-SO-39-3		14:34				
003	WS-AOC9-SO-38-1		14:36				
004	WS-AOC9-SO-36-2		14:37				
005	WS-AOC9-SO-36-3		14:38				
006	WS-AOC9-SO-37-4		14:34				
007	WS-AOC9-SO-38-1		14:50				
008	WS-AOC9-SO-38-2		14:51				
009	WS-AOC9-SO-38-3		14:52				
010	WS-AOC9-SO-40-1		14:50				

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: 8/11/17 12:35	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # 8/1/17 1700 NELAC and AIHA-LAP, LLC Accredited
Received by: (signature)	Date/Time: 8/15/17 15:25	
Relinquished by: (signature)	Date/Time: 8/11/17 15:50	
Received by: (signature)	Date/Time: 8/11/17 1700	
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

Program Information

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

PWSID # 8/1/17 1700

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 8/1/17 Time 1700

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.9, 2.8, 3.2
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified?
Are there Rushes? N/A Who was notified?
Are there Short Holds? N/A Who was notified?

Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD?
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	1	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	2	Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/1/17 1700
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\A081417.SEC\A0814073.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/14/17
Data File Name A0814073.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	550642	584553	-6
c - 10	1.63	564586	584553	-3
c - 12	2.35	586923	584553	0
c - 14	3.02	597148	584553	2
c - 16	3.62	607738	584553	4
c - 18	4.24	598989	584553	2
o-Terphenyl	4.52	666266	584553	
c - 20	4.84	606366	584553	4
c - 22	5.34	614054	584553	5
c - 24	5.78	570725	584553	-2
c - 26	6.17	598028	584553	2
c - 28	6.53	587300	584553	0
c - 30	6.86	581296	584553	-1
c - 32	7.17	566198	584553	-3
c - 34	7.47	568247	584553	-3
c - 36	7.78	570049	584553	-2

* One compound allowed %D <= 50%

Samples

17H0061-09RE1@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: 17H0061

Laboratory Sample ID(s):

17H0061-01 thru 17H0061-12

Sample Date(s):

08/01/2017

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 29, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0919

Enclosed are results of analyses for samples received by the laboratory on August 16, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 8/29/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0919

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-10-CO-1	17H0919-01	Product/Solid		SW-846 8082A	
WS-AOC-10-CO-2	17H0919-02	Product/Solid		SW-846 8082A	
WS-AOC-11-CO-1	17H0919-03	Product/Solid		SW-846 8082A	
WS-AOC-11-CO-2	17H0919-04	Product/Solid		SW-846 8082A	
WS-AOC-11-CO-3	17H0919-05	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-26	17H0919-06	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-DUP-10	17H0919-07	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-21	17H0919-08	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-19	17H0919-09	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-24	17H0919-10	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-15	17H0919-11	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-22	17H0919-12	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-17	17H0919-13	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-20	17H0919-14	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-14	17H0919-15	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-19	17H0919-16	Product/Solid		SW-846 8082A	
EB-42	17H0919-17	Equipment Blank Water		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

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

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

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

A handwritten signature in black ink, appearing to read "Tod Kopycinski", with a stylized, cursive-like script.

Tod E. Kopycinski
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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-10-CO-1

Sampled: 8/16/2017 09:25

Sample ID: 17H0919-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1260 [2]	0.16	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1268 [2]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.4	30-150							
Decachlorobiphenyl [2]	84.5	30-150							
Tetrachloro-m-xylene [1]	81.6	30-150							
Tetrachloro-m-xylene [2]	75.2	30-150							

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-10-CO-2

Sampled: 8/16/2017 09:30

Sample ID: 17H0919-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1268 [2]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.2	30-150							
Decachlorobiphenyl [2]	86.1	30-150							
Tetrachloro-m-xylene [1]	82.0	30-150							
Tetrachloro-m-xylene [2]	74.0	30-150							

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-11-CO-1

Sampled: 8/16/2017 10:05

Sample ID: 17H0919-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1268 [2]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	107	30-150							
Decachlorobiphenyl [2]	95.9	30-150							
Tetrachloro-m-xylene [1]	94.0	30-150							
Tetrachloro-m-xylene [2]	89.0	30-150							

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-11-CO-2

Sampled: 8/16/2017 10:10

Sample ID: 17H0919-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1268 [2]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	88.7	30-150							
Tetrachloro-m-xylene [1]	91.5	30-150							
Tetrachloro-m-xylene [2]	85.7	30-150							

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-11-CO-3

Sampled: 8/16/2017 10:15

Sample ID: 17H0919-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1221 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1232 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1242 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1248 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1254 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1260 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1262 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1268 [2]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	112	30-150						8/28/17 15:29	
Decachlorobiphenyl [2]	98.6	30-150						8/28/17 15:29	
Tetrachloro-m-xylene [1]	95.7	30-150						8/28/17 15:29	
Tetrachloro-m-xylene [2]	90.9	30-150						8/28/17 15:29	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-26

Sampled: 8/16/2017 12:00

Sample ID: 17H0919-06

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1221 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1232 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1242 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1248 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1254 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1260 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1262 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1268 [2]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.5	30-150						8/28/17 15:42	
Decachlorobiphenyl [2]	91.0	30-150						8/28/17 15:42	
Tetrachloro-m-xylene [1]	99.2	30-150						8/28/17 15:42	
Tetrachloro-m-xylene [2]	101	30-150						8/28/17 15:42	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-DUP-10

Sampled: 8/16/2017 00:00

Sample ID: 17H0919-07

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1221 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1232 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1242 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1248 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1254 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1260 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1262 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1268 [2]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.9	30-150						8/28/17 16:57	
Decachlorobiphenyl [2]	76.9	30-150						8/28/17 16:57	
Tetrachloro-m-xylene [1]	96.1	30-150						8/28/17 16:57	
Tetrachloro-m-xylene [2]	98.7	30-150						8/28/17 16:57	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-21

Sampled: 8/16/2017 12:15

Sample ID: 17H0919-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1254 [1]	3.0	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1268 [2]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.5	30-150							
Decachlorobiphenyl [2]	77.9	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	110	30-150							

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-19

Sampled: 8/16/2017 12:25

Sample ID: 17H0919-09

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1268 [2]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.7	30-150						8/28/17 17:23	
Decachlorobiphenyl [2]	69.1	30-150						8/28/17 17:23	
Tetrachloro-m-xylene [1]	96.0	30-150						8/28/17 17:23	
Tetrachloro-m-xylene [2]	99.5	30-150						8/28/17 17:23	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-24

Sampled: 8/16/2017 12:30

Sample ID: 17H0919-10

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1221 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1232 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1242 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1248 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1254 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1260 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1262 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1268 [2]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.4	30-150						8/28/17 17:35	
Decachlorobiphenyl [2]	67.0	30-150						8/28/17 17:35	
Tetrachloro-m-xylene [1]	95.2	30-150						8/28/17 17:35	
Tetrachloro-m-xylene [2]	98.0	30-150						8/28/17 17:35	

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

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-15

Sampled: 8/16/2017 12:35

Sample ID: 17H0919-11

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1268 [2]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.9	30-150						8/28/17 17:48	
Decachlorobiphenyl [2]	70.5	30-150						8/28/17 17:48	
Tetrachloro-m-xylene [1]	102	30-150						8/28/17 17:48	
Tetrachloro-m-xylene [2]	106	30-150						8/28/17 17:48	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-22

Sampled: 8/16/2017 12:40

Sample ID: 17H0919-12

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1268 [2]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.2	30-150							
Decachlorobiphenyl [2]	68.0	30-150							
Tetrachloro-m-xylene [1]	100	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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-17

Sampled: 8/16/2017 12:45

Sample ID: 17H0919-13

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1268 [2]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.1	30-150						8/28/17 18:13	
Decachlorobiphenyl [2]	66.3	30-150						8/28/17 18:13	
Tetrachloro-m-xylene [1]	99.2	30-150						8/28/17 18:13	
Tetrachloro-m-xylene [2]	104	30-150						8/28/17 18:13	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-20

Sampled: 8/16/2017 12:50

Sample ID: 17H0919-14

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1268 [2]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	74.5	30-150						8/28/17 18:26	
Decachlorobiphenyl [2]	62.0	30-150						8/28/17 18:26	
Tetrachloro-m-xylene [1]	91.9	30-150						8/28/17 18:26	
Tetrachloro-m-xylene [2]	97.2	30-150						8/28/17 18:26	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-14

Sampled: 8/16/2017 12:55

Sample ID: 17H0919-15

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1221 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1232 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1242 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1248 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1254 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1260 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1262 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1268 [2]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.2	30-150						8/28/17 18:38	
Decachlorobiphenyl [2]	64.7	30-150						8/28/17 18:38	
Tetrachloro-m-xylene [1]	98.0	30-150						8/28/17 18:38	
Tetrachloro-m-xylene [2]	103	30-150						8/28/17 18:38	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-19

Sampled: 8/16/2017 13:00

Sample ID: 17H0919-16

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1221 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1232 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1242 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1248 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1254 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1260 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1262 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1268 [2]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.7	30-150						8/28/17 18:51	
Decachlorobiphenyl [2]	62.8	30-150						8/28/17 18:51	
Tetrachloro-m-xylene [1]	99.1	30-150						8/28/17 18:51	
Tetrachloro-m-xylene [2]	104	30-150						8/28/17 18:51	

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

Sample Description:

Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: EB-42

Sampled: 8/16/2017 12:25

Sample ID: 17H0919-17

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.4	30-150							
Decachlorobiphenyl [2]	85.8	30-150							
Tetrachloro-m-xylene [1]	89.7	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**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

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

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

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

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

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184759 - SW-846 3510C
Blank (B184759-BLK1)

Prepared: 08/23/17 Analyzed: 08/25/17

Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.72		µg/L	2.00		86.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.91		µg/L	2.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.79		µg/L	2.00		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.85		µg/L	2.00		92.6	30-150			

LCS (B184759-BS1)

Prepared: 08/23/17 Analyzed: 08/25/17

Aroclor-1016	0.48	0.20	µg/L	0.500		96.8	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260	0.41	0.20	µg/L	0.500		82.9	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		89.6	40-140			
Surrogate: Decachlorobiphenyl	1.80		µg/L	2.00		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.00		µg/L	2.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	1.81		µg/L	2.00		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.88		µg/L	2.00		94.1	30-150			

LCS Dup (B184759-BSD1)

Prepared: 08/23/17 Analyzed: 08/25/17

Aroclor-1016	0.49	0.20	µg/L	0.500		98.1	40-140	1.31	20	
Aroclor-1016 [2C]	0.53	0.20	µg/L	0.500		106	40-140	3.88	20	
Aroclor-1260	0.41	0.20	µg/L	0.500		82.7	40-140	0.196	20	
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		89.3	40-140	0.344	20	
Surrogate: Decachlorobiphenyl	1.73		µg/L	2.00		86.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.91		µg/L	2.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.76		µg/L	2.00		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.84		µg/L	2.00		91.8	30-150			

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 B184700 - SW-846 3540C

Blank (B184700-BLK1)

Prepared: 08/23/17 Analyzed: 08/28/17

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.978		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.874		mg/Kg	1.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.819		mg/Kg	1.00		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.767		mg/Kg	1.00		76.7	30-150			

LCS (B184700-BS1)

Prepared: 08/23/17 Analyzed: 08/28/17

Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.6	40-140			
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		90.4	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		87.5	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140			
Surrogate: Decachlorobiphenyl	0.976		mg/Kg	1.00		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.865		mg/Kg	1.00		86.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.819		mg/Kg	1.00		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.761		mg/Kg	1.00		76.1	30-150			

LCS Dup (B184700-BSD1)

Prepared: 08/23/17 Analyzed: 08/28/17

Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.8	40-140	1.28	30	
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		90.5	40-140	0.144	30	
Aroclor-1260	0.87	0.10	mg/Kg	1.00		87.2	40-140	0.370	30	
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140	0.00127	30	
Surrogate: Decachlorobiphenyl	0.986		mg/Kg	1.00		98.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.850		mg/Kg	1.00		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.802		mg/Kg	1.00		80.2	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184700 - SW-846 3540C
Matrix Spike (B184700-MS1)
Source: 17H0919-06

Prepared: 08/23/17 Analyzed: 08/28/17

Aroclor-1016	0.99	0.84	mg/Kg	0.837	ND	118	40-140			
Aroclor-1016 [2C]	0.99	0.84	mg/Kg	0.837	ND	118	40-140			
Aroclor-1260	0.93	0.84	mg/Kg	0.837	ND	112	40-140			
Aroclor-1260 [2C]	0.92	0.84	mg/Kg	0.837	ND	110	40-140			
Surrogate: Decachlorobiphenyl	0.703		mg/Kg	0.837		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.632		mg/Kg	0.837		75.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.832		mg/Kg	0.837		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.825		mg/Kg	0.837		98.6	30-150			

Matrix Spike Dup (B184700-MSD1)
Source: 17H0919-06

Prepared: 08/23/17 Analyzed: 08/28/17

Aroclor-1016	1.1	0.98	mg/Kg	0.976	ND	112	40-140	10.7	50	
Aroclor-1016 [2C]	1.1	0.98	mg/Kg	0.976	ND	113	40-140	10.8	50	
Aroclor-1260	0.96	0.98	mg/Kg	0.976	ND	98.4	40-140	2.84	50	
Aroclor-1260 [2C]	0.96	0.98	mg/Kg	0.976	ND	98.0	40-140	3.97	50	
Surrogate: Decachlorobiphenyl	0.779		mg/Kg	0.976		79.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.686		mg/Kg	0.976		70.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.874		mg/Kg	0.976		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.917		mg/Kg	0.976		94.0	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-10-CO-1***SW-846 8082A*

Lab Sample ID: 17H0919-01 Date(s) Analyzed: 08/28/2017 08/28/2017
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.16	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-9-AS-21**

Lab Sample ID: 17H0919-08 Date(s) Analyzed: 08/28/2017 08/28/2017
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B184700-BS1 Date(s) Analyzed: 08/28/2017 08/28/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	0.90	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.79	10.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

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

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.91	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.87	
	2	0.000	0.000	0.000	0.79	9.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

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

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.99	
	2	0.000	0.000	0.000	0.99	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.93	
	2	0.000	0.000	0.000	0.92	1.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

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

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	0.96	0.0

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS**

Lab Sample ID: B184759-BS1 Date(s) Analyzed: 08/25/2017 08/25/2017
Instrument ID (1): ECD10 Instrument ID (2): ECD10
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.51	6.1
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.45	9.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

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

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.53	7.8
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.45	9.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.

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 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

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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: Western SampsonAddress: 273 Divisadero St. Rocky Hill, CTPhone: 860-544-0000Project Name: English StationProject Location: 510 Grand Ave New Haven, CTProject Number: 2170495Project Manager: Malcolm BeckCon-Test Quote Name/Number: Invoice Recipient: Sampled By: TPS

Requested Turnaround Time	
7-Day ☒	10-Day ☐
Due Date: <u></u>	
Rush Approval Required	
1-Day ☐	3-Day ☐
2-Day ☐	4-Day ☐
Data Delivery	
Format: PDF ☒	EXCEL ☐
Other: <u></u>	
CLP Like Data Pkg Required: ☐	
Email To: <u>Beck@newseinc.com</u>	
Fax To #: <u></u>	

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC-10-CO-1	8/16/17	1005	1005	X	0	0
2	WS-AOC-10-CO-2		1005	1005			
3	WS-AOC-11-CO-1		1005	1005			
4	WS-AOC-11-CO-2		1005	1005			
5	WS-AOC-11-CO-3		1010	1010			
6	WS-AOC-9-AS-26		1015	1015			
7	WS-AOC-9-AS-DUP-10		1215	1215			
8	WS-AOC-9-AS-21		1205	1205			
9	WS-AOC-9-AS-19		1230	1230			
10	WS-AOC-9-AS-24		1230	1230			

Comments:

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

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

Relinquished by: (signature)	Date/Time: 8/16/17 1215
Received by: (signature)	Date/Time: 8/16/17 1515
Relinquished by: (signature)	Date/Time: 8/16/17 1700
Received by: (signature)	Date/Time: 8/16/17 1700
Relinquished by: (signature)	Date/Time: 8/16/17 1700
Received by: (signature)	Date/Time: 8/16/17 1700

# 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
 SL = Sludge
 SOL = Solid
 O = Other (please define)
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 = Tediator Bag
 O = Other (please define)

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet



NELAP and AIHA-LAP, LLC Accredited

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

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

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: TPSEnding Date/Time: 8/16/17Beginning Date/Time: 1235Conc Code: 0Matrix Code: 0Grab: XComposite: XCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

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Fax To #:

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Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

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Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

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Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

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Fax To #:

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Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

Fax To #:

Requested Turnaround Time: 10-Day

Due Date:

Rush Approval Required: Yes1-Day: Yes2-Day: Yes3-Day: Yes4-Day: YesData Delivery: ExcelFormat: PDF ExcelOther: ExcelCLP Like Data Pkg Required: YesEmail To: Becker@westonandsampson.com

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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 8/16/17

Time 1900

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.6
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified?

Are there Rushes? N/A Who was notified?

Are there Short Holds? N/A Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A

Proper Media/Containers Used? T

Were trip blanks received? N/A

Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>2</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	<u>18</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: 17H0919

Laboratory Sample ID(s):

17H0919-01 thru 17H0919-17

Sample Date(s):

08/16/2017

List RCP Methods Used:

SW-846 8082A

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

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

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

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

Authorized Signature:
Position: Laboratory Director
Printed Name: Tod E. Kopyscinski
Date: 08/29/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 30, 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: 17H1006

Enclosed are results of analyses for samples received by the laboratory on August 17, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, 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: 8/30/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1006

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-Co-55	17H1006-01	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-56	17H1006-02	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-57	17H1006-03	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-58	17H1006-04	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-59	17H1006-05	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-10	17H1006-06	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-51	17H1006-07	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-7	17H1006-08	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-3	17H1006-09	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-50	17H1006-10	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-52	17H1006-11	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-5	17H1006-12	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-12	17H1006-13	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-49	17H1006-14	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-4	17H1006-15	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-13	17H1006-16	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-11	17H1006-17	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-6	17H1006-18	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-Dup-11	17H1006-19	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-8	17H1006-20	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-9	17H1006-21	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-2	17H1006-22	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-1	17H1006-23	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-16	17H1006-24	Product/Solid		SW-846 8082A	
WS-AOC-9-Co-53	17H1006-25	Product/Solid		SW-846 8082A	
WS-AOC-9-SO-54	17H1006-26	Soil		SM 2540G	
				SW-846 8082A	
EB-43	17H1006-27	Equipment Blank Water		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-55

Sampled: 8/17/2017 13:30

Sample ID: 17H1006-01

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	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:31	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	85.7	30-150							
Tetrachloro-m-xylene [1]	86.2	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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-56

Sampled: 8/17/2017 13:40

Sample ID: 17H1006-02

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	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 17:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	121	30-150						8/29/17 17:44	
Decachlorobiphenyl [2]	109	30-150						8/29/17 17:44	
Tetrachloro-m-xylene [1]	96.7	30-150						8/29/17 17:44	
Tetrachloro-m-xylene [2]	91.6	30-150						8/29/17 17:44	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-57

Sampled: 8/17/2017 13:50

Sample ID: 17H1006-03

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	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 17:57	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	62.0	30-150							
Decachlorobiphenyl [2]	48.5	30-150							
Tetrachloro-m-xylene [1]	51.5	30-150							
Tetrachloro-m-xylene [2]	48.9	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-58

Sampled: 8/17/2017 14:00

Sample ID: 17H1006-04

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	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1221 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1232 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1242 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1248 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1254 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1260 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1262 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Aroclor-1268 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	94.5	30-150							
Tetrachloro-m-xylene [1]	86.6	30-150							
Tetrachloro-m-xylene [2]	84.2	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-59

Sampled: 8/17/2017 14:10

Sample ID: 17H1006-05

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	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:23	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	120	30-150							
Decachlorobiphenyl [2]	91.0	30-150							
Tetrachloro-m-xylene [1]	96.8	30-150							
Tetrachloro-m-xylene [2]	88.2	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-10

Sampled: 8/17/2017 13:00

Sample ID: 17H1006-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 18:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.7	30-150							
Decachlorobiphenyl [2]	53.3	30-150							
Tetrachloro-m-xylene [1]	49.2	30-150							
Tetrachloro-m-xylene [2]	52.4	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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-51

Sampled: 8/17/2017 12:40

Sample ID: 17H1006-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 18:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.5	30-150						8/29/17 18:49	
Decachlorobiphenyl [2]	67.3	30-150						8/29/17 18:49	
Tetrachloro-m-xylene [1]	68.3	30-150						8/29/17 18:49	
Tetrachloro-m-xylene [2]	65.9	30-150						8/29/17 18:49	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-7

Sampled: 8/17/2017 10:20

Sample ID: 17H1006-08

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	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1221 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1232 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1242 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1248 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1254 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1260 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1262 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Aroclor-1268 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.8	30-150						8/29/17 19:42	
Decachlorobiphenyl [2]	69.8	30-150						8/29/17 19:42	
Tetrachloro-m-xylene [1]	66.8	30-150						8/29/17 19:42	
Tetrachloro-m-xylene [2]	69.4	30-150						8/29/17 19:42	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-3

Sampled: 8/17/2017 11:10

Sample ID: 17H1006-09

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	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 19:55	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.4	30-150							
Decachlorobiphenyl [2]	64.2	30-150							
Tetrachloro-m-xylene [1]	60.2	30-150							
Tetrachloro-m-xylene [2]	64.6	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-50

Sampled: 8/17/2017 12:50

Sample ID: 17H1006-10

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	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	115	30-150							
Decachlorobiphenyl [2]	93.4	30-150							
Tetrachloro-m-xylene [1]	97.2	30-150							
Tetrachloro-m-xylene [2]	91.7	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-52

Sampled: 8/17/2017 12:30

Sample ID: 17H1006-11

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	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 20:21	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.8	30-150							
Decachlorobiphenyl [2]	80.1	30-150							
Tetrachloro-m-xylene [1]	83.5	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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-5

Sampled: 8/17/2017 10:15

Sample ID: 17H1006-12

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	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:34	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	68.2	30-150							
Decachlorobiphenyl [2]	61.4	30-150							
Tetrachloro-m-xylene [1]	59.3	30-150							
Tetrachloro-m-xylene [2]	62.1	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

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

Sampled: 8/17/2017 10:10

Sample ID: 17H1006-13

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	8/24/17	8/29/17 20:47	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 20:47	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	90.6	30-150							
Tetrachloro-m-xylene [1]	93.3	30-150							
Tetrachloro-m-xylene [2]	96.8	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-49

Sampled: 8/17/2017 12:55

Sample ID: 17H1006-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/24/17	8/29/17 21:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	121	30-150							
Decachlorobiphenyl [2]	98.0	30-150							
Tetrachloro-m-xylene [1]	102	30-150							
Tetrachloro-m-xylene [2]	96.4	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-4

Sampled: 8/17/2017 13:05

Sample ID: 17H1006-15

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	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1260 [2]	1.0	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:13	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	94.7	30-150							
Tetrachloro-m-xylene [1]	98.8	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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-13

Sampled: 8/17/2017 10:00

Sample ID: 17H1006-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1221 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1232 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1242 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1248 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1254 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1260 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1262 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Aroclor-1268 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:27	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	114	30-150							
Decachlorobiphenyl [2]	99.2	30-150							
Tetrachloro-m-xylene [1]	105	30-150							
Tetrachloro-m-xylene [2]	109	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-11

Sampled: 8/17/2017 10:05

Sample ID: 17H1006-17

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	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:39	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	96.5	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	108	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-6

Sampled: 8/17/2017 10:40

Sample ID: 17H1006-18

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	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1221 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1232 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1242 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1248 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1254 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1260 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1262 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Aroclor-1268 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 21:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.8	30-150							
Decachlorobiphenyl [2]	82.7	30-150							
Tetrachloro-m-xylene [1]	89.9	30-150							
Tetrachloro-m-xylene [2]	94.0	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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-Dup-11

Sampled: 8/17/2017 00:00

Sample ID: 17H1006-19

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	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1221 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1232 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1242 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1248 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1254 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1260 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1262 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Aroclor-1268 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:06	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	137	30-150							
Decachlorobiphenyl [2]	118	30-150							
Tetrachloro-m-xylene [1]	131	30-150							
Tetrachloro-m-xylene [2]	134	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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-8

Sampled: 8/17/2017 10:50

Sample ID: 17H1006-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	8/29/17 22:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.2	30-150							
Decachlorobiphenyl [2]	84.9	30-150							
Tetrachloro-m-xylene [1]	94.4	30-150							
Tetrachloro-m-xylene [2]	99.1	30-150							

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

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

Sampled: 8/17/2017 11:00

Sample ID: 17H1006-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1221 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1232 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1242 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1248 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1254 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1260 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1262 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Aroclor-1268 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:02	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.3	30-150						8/30/17 3:02	
Decachlorobiphenyl [2]	85.7	30-150						8/30/17 3:02	
Tetrachloro-m-xylene [1]	86.9	30-150						8/30/17 3:02	
Tetrachloro-m-xylene [2]	89.9	30-150						8/30/17 3:02	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-2

Sampled: 8/17/2017 11:15

Sample ID: 17H1006-22

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1221 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1232 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1242 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1248 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1254 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1260 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1262 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Aroclor-1268 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:20	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150						8/30/17 3:20	
Decachlorobiphenyl [2]	90.2	30-150						8/30/17 3:20	
Tetrachloro-m-xylene [1]	93.0	30-150						8/30/17 3:20	
Tetrachloro-m-xylene [2]	95.8	30-150						8/30/17 3:20	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-1

Sampled: 8/17/2017 11:25

Sample ID: 17H1006-23

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1221 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1232 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1242 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1248 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1254 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1260 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1262 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Aroclor-1268 [1]	ND	0.75	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						8/30/17 3:38	
Decachlorobiphenyl [2]	89.6	30-150						8/30/17 3:38	
Tetrachloro-m-xylene [1]	92.0	30-150						8/30/17 3:38	
Tetrachloro-m-xylene [2]	93.6	30-150						8/30/17 3:38	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-AS-16

Sampled: 8/17/2017 10:30

Sample ID: 17H1006-24

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	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1221 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1232 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1242 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1248 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1254 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1260 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1262 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Aroclor-1268 [1]	ND	0.82	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 3:57	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	100	30-150						8/30/17 3:57	
Decachlorobiphenyl [2]	86.4	30-150						8/30/17 3:57	
Tetrachloro-m-xylene [1]	92.2	30-150						8/30/17 3:57	
Tetrachloro-m-xylene [2]	93.0	30-150						8/30/17 3:57	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-Co-53

Sampled: 8/17/2017 13:10

Sample ID: 17H1006-25

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	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1221 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1232 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1242 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1248 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1254 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1260 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1262 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Aroclor-1268 [1]	ND	0.83	mg/Kg	10		SW-846 8082A	8/22/17	8/30/17 4:15	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						8/30/17 4:15	
Decachlorobiphenyl [2]	87.6	30-150						8/30/17 4:15	
Tetrachloro-m-xylene [1]	94.4	30-150						8/30/17 4:15	
Tetrachloro-m-xylene [2]	96.3	30-150						8/30/17 4:15	

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-SO-54

Sampled: 8/17/2017 13:15

Sample ID: 17H1006-26

Sample Matrix: Soil

Polychlorinated 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	8/25/17	8/28/17 18:13	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Aroclor-1260 [1]	0.13	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/25/17	8/28/17 18:13	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.3	30-150							
Decachlorobiphenyl [2]	111	30-150							
Tetrachloro-m-xylene [1]	80.4	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: 17H1006

Date Received: 8/17/2017

Field Sample #: WS-AOC-9-SO-54

Sampled: 8/17/2017 13:15

Sample ID: 17H1006-26

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	8/25/17	8/28/17 7:36	MRL

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

Sample Description:

Work Order: 17H1006

Date Received: 8/17/2017

Field Sample #: EB-43

Sampled: 8/17/2017 14:00

Sample ID: 17H1006-27

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:22	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.5	30-150						8/25/17 15:22	
Decachlorobiphenyl [2]	91.8	30-150						8/25/17 15:22	
Tetrachloro-m-xylene [1]	82.4	30-150						8/25/17 15:22	
Tetrachloro-m-xylene [2]	85.5	30-150						8/25/17 15:22	

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

Sample Extraction Data**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
17H1006-26 [WS-AOC-9-SO-54]	B184918	08/25/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1006-21 [WS-AOC-9-AS-9]	B184690	2.42	10.0	08/22/17
17H1006-22 [WS-AOC-9-AS-2]	B184690	2.23	10.0	08/22/17
17H1006-23 [WS-AOC-9-AS-1]	B184690	2.67	10.0	08/22/17
17H1006-24 [WS-AOC-9-AS-16]	B184690	2.45	10.0	08/22/17
17H1006-25 [WS-AOC-9-Co-53]	B184690	2.41	10.0	08/22/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1006-01 [WS-AOC-9-Co-55]	B184841	2.08	10.0	08/24/17
17H1006-02 [WS-AOC-9-Co-56]	B184841	2.06	10.0	08/24/17
17H1006-03 [WS-AOC-9-Co-57]	B184841	2.07	10.0	08/24/17
17H1006-04 [WS-AOC-9-Co-58]	B184841	2.21	10.0	08/24/17
17H1006-05 [WS-AOC-9-Co-59]	B184841	2.30	10.0	08/24/17
17H1006-06 [WS-AOC-9-AS-10]	B184841	2.05	10.0	08/24/17
17H1006-07 [WS-AOC-9-Co-51]	B184841	2.04	10.0	08/24/17
17H1006-08 [WS-AOC-9-AS-7]	B184841	2.28	10.0	08/24/17
17H1006-09 [WS-AOC-9-AS-3]	B184841	2.19	10.0	08/24/17
17H1006-10 [WS-AOC-9-Co-50]	B184841	2.17	10.0	08/24/17
17H1006-11 [WS-AOC-9-Co-52]	B184841	2.21	10.0	08/24/17
17H1006-12 [WS-AOC-9-AS-5]	B184841	2.16	10.0	08/24/17
17H1006-13 [WS-AOC-9-AS-12]	B184841	2.02	10.0	08/24/17
17H1006-14 [WS-AOC-9-Co-49]	B184841	2.15	10.0	08/24/17
17H1006-15 [WS-AOC-9-AS-4]	B184841	2.20	10.0	08/24/17
17H1006-16 [WS-AOC-9-AS-13]	B184841	2.23	10.0	08/24/17
17H1006-17 [WS-AOC-9-AS-11]	B184841	2.17	10.0	08/24/17
17H1006-18 [WS-AOC-9-AS-6]	B184841	2.24	10.0	08/24/17
17H1006-19 [WS-AOC-9-AS-Dup-11]	B184841	2.28	10.0	08/24/17
17H1006-20 [WS-AOC-9-AS-8]	B184841	2.04	10.0	08/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1006-26 [WS-AOC-9-SO-54]	B184962	10.0	10.0	08/25/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1006-27 [EB-43]	B184847	1000	10.0	08/24/17

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QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184847 - SW-846 3510C
Blank (B184847-BLK1)

Prepared: 08/24/17 Analyzed: 08/25/17

Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.61		µg/L	2.00		80.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/L	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.82		µg/L	2.00		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.88		µg/L	2.00		93.9	30-150			

LCS (B184847-BS1)

Prepared: 08/24/17 Analyzed: 08/25/17

Aroclor-1016	0.46	0.20	µg/L	0.500		92.4	40-140			
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		98.7	40-140			
Aroclor-1260	0.40	0.20	µg/L	0.500		79.1	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.3	40-140			
Surrogate: Decachlorobiphenyl	1.58		µg/L	2.00		79.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.77		µg/L	2.00		88.5	30-150			
Surrogate: Tetrachloro-m-xylene	1.65		µg/L	2.00		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.72		µg/L	2.00		85.9	30-150			

LCS Dup (B184847-BSD1)

Prepared: 08/24/17 Analyzed: 08/25/17

Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140	14.7	20	
Aroclor-1016 [2C]	0.60	0.20	µg/L	0.500		119	40-140	18.9	20	
Aroclor-1260	0.42	0.20	µg/L	0.500		83.0	40-140	4.91	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		92.5	40-140	8.09	20	
Surrogate: Decachlorobiphenyl	1.64		µg/L	2.00		82.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.83		µg/L	2.00		91.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.76		µg/L	2.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.81		µg/L	2.00		90.7	30-150			

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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 B184690 - SW-846 3540C
Blank (B184690-BLK1)

Prepared: 08/22/17 Analyzed: 08/30/17

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.870		mg/Kg	1.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.942		mg/Kg	1.00		94.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.893		mg/Kg	1.00		89.3	30-150			

LCS (B184690-BS1)

Prepared: 08/22/17 Analyzed: 08/30/17

Aroclor-1016	0.97	0.10	mg/Kg	1.00		97.3	40-140			
Aroclor-1016 [2C]	0.95	0.10	mg/Kg	1.00		95.4	40-140			
Aroclor-1260	0.93	0.10	mg/Kg	1.00		93.3	40-140			
Aroclor-1260 [2C]	0.84	0.10	mg/Kg	1.00		84.5	40-140			
Surrogate: Decachlorobiphenyl	1.10		mg/Kg	1.00		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.890		mg/Kg	1.00		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.948		mg/Kg	1.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.894		mg/Kg	1.00		89.4	30-150			

LCS Dup (B184690-BSD1)

Prepared: 08/22/17 Analyzed: 08/30/17

Aroclor-1016	0.95	0.10	mg/Kg	1.00		94.6	40-140	2.76	30	
Aroclor-1016 [2C]	0.93	0.10	mg/Kg	1.00		93.2	40-140	2.40	30	
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.1	40-140	1.33	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		82.9	40-140	1.84	30	
Surrogate: Decachlorobiphenyl	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.876		mg/Kg	1.00		87.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.911		mg/Kg	1.00		91.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.861		mg/Kg	1.00		86.1	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 B184690 - SW-846 3540C

Matrix Spike (B184690-MS1)

Source: 17H1006-21

Prepared: 08/22/17 Analyzed: 08/30/17

Aroclor-1016	0.49	0.86	mg/Kg	0.858	ND	56.6	40-140			
Aroclor-1016 [2C]	0.48	0.86	mg/Kg	0.858	ND	56.5	40-140			
Aroclor-1260	0.51	0.86	mg/Kg	0.858	ND	59.7	40-140			
Aroclor-1260 [2C]	0.51	0.86	mg/Kg	0.858	ND	59.9	40-140			
Surrogate: Decachlorobiphenyl	0.478		mg/Kg	0.858		55.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.429		mg/Kg	0.858		50.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.381		mg/Kg	0.858		44.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.405		mg/Kg	0.858		47.2	30-150			

Matrix Spike Dup (B184690-MSD1)

Source: 17H1006-21

Prepared: 08/22/17 Analyzed: 08/30/17

Aroclor-1016	0.75	0.80	mg/Kg	0.803	ND	92.8	40-140	42.3	50	
Aroclor-1016 [2C]	0.77	0.80	mg/Kg	0.803	ND	95.9	40-140	45.5	50	
Aroclor-1260	0.78	0.80	mg/Kg	0.803	ND	97.0	40-140	41.3	50	
Aroclor-1260 [2C]	0.81	0.80	mg/Kg	0.803	ND	101	40-140	45.2	50	
Surrogate: Decachlorobiphenyl	0.719		mg/Kg	0.803		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.631		mg/Kg	0.803		78.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.619		mg/Kg	0.803		77.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.637		mg/Kg	0.803		79.3	30-150			

Batch B184841 - SW-846 3540C

Blank (B184841-BLK1)

Prepared: 08/24/17 Analyzed: 08/29/17

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]	0.880		mg/Kg	1.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.892		mg/Kg	1.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.815		mg/Kg	1.00		81.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184841 - SW-846 3540C

LCS (B184841-BS1)

Prepared: 08/24/17 Analyzed: 08/29/17

Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.2	40-140			
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		84.5	40-140			
Aroclor-1260	0.89	0.10	mg/Kg	1.00		88.6	40-140			
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		75.7	40-140			
Surrogate: Decachlorobiphenyl	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.883		mg/Kg	1.00		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.821		mg/Kg	1.00		82.1	30-150			

LCS Dup (B184841-BS1)

Prepared: 08/24/17 Analyzed: 08/29/17

Aroclor-1016	0.78	0.10	mg/Kg	1.00		78.3	40-140	11.9	30	
Aroclor-1016 [2C]	0.77	0.10	mg/Kg	1.00		76.9	40-140	9.44	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		79.0	40-140	11.5	30	
Aroclor-1260 [2C]	0.69	0.10	mg/Kg	1.00		68.8	40-140	9.63	30	
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.808		mg/Kg	1.00		80.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.804		mg/Kg	1.00		80.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.742		mg/Kg	1.00		74.2	30-150			

Matrix Spike (B184841-MS1)

Source: 17H1006-16

Prepared: 08/24/17 Analyzed: 08/29/17

Aroclor-1016	0.99	0.95	mg/Kg	0.948	ND	105	40-140			
Aroclor-1016 [2C]	1.0	0.95	mg/Kg	0.948	ND	108	40-140			
Aroclor-1260	1.0	0.95	mg/Kg	0.948	ND	105	40-140			
Aroclor-1260 [2C]	1.1	0.95	mg/Kg	0.948	ND	117	40-140			
Surrogate: Decachlorobiphenyl	0.896		mg/Kg	0.948		94.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.775		mg/Kg	0.948		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.851		mg/Kg	0.948		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.888		mg/Kg	0.948		93.7	30-150			

Matrix Spike Dup (B184841-MSD1)

Source: 17H1006-16

Prepared: 08/24/17 Analyzed: 08/29/17

Aroclor-1016	0.86	0.95	mg/Kg	0.948	ND	90.5	40-140	14.7	50	
Aroclor-1016 [2C]	0.89	0.95	mg/Kg	0.948	ND	93.8	40-140	13.6	50	
Aroclor-1260	0.89	0.95	mg/Kg	0.948	ND	94.3	40-140	10.8	50	
Aroclor-1260 [2C]	1.0	0.95	mg/Kg	0.948	ND	106	40-140	9.89	50	
Surrogate: Decachlorobiphenyl	0.760		mg/Kg	0.948		80.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.661		mg/Kg	0.948		69.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.733		mg/Kg	0.948		77.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.772		mg/Kg	0.948		81.4	30-150			

Batch B184962 - SW-846 3540C

Blank (B184962-BLK1)

Prepared: 08/25/17 Analyzed: 08/28/17

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							

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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 B184962 - SW-846 3540C
Blank (B184962-BLK1)

Prepared: 08/25/17 Analyzed: 08/28/17

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	0.207		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.156		mg/Kg wet	0.200		78.1	30-150			

LCS (B184962-BS1)

Prepared: 08/25/17 Analyzed: 08/28/17

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		99.2	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.3	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.6	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140			
Surrogate: Decachlorobiphenyl	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		80.8	30-150			

LCS Dup (B184962-BSD1)

Prepared: 08/25/17 Analyzed: 08/28/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		97.2	40-140	1.96	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.5	40-140	2.92	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.1	40-140	0.490	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		104	40-140	0.330	30	
Surrogate: Decachlorobiphenyl	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.154		mg/Kg wet	0.200		76.8	30-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B184918 - % Solids

Duplicate (B184918-DUP1)

Source: 17H1006-26

Prepared: 08/25/17 Analyzed: 08/28/17

% Solids	97.9		% Wt		97.4			0.512	20	
----------	------	--	------	--	------	--	--	-------	----	--

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-9-SO-54***SW-846 8082A*Lab Sample ID: 17H1006-26 Date(s) Analyzed: 08/28/2017 08/28/2017

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

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

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

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FLAG/QUALIFIER SUMMARY

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

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

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

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



CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name: Weston & Sampson
Address: 253 Dividend Rd Rocky Hill, CT
Phone: 800-5AMF88
Project Name: English Station
Project Location: 510 Grand Ave New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Becker
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: TPS

Requested Turnaround Time	7-Day ☒ 10-Day ☐
Due Date:	
Rush Approval Required	1-Day ☐ 3-Day ☐
	2-Day ☐ 4-Day ☐
Data Delivery	Format: PDF ☒ EXCEL ☒
Other:	
CLP Like Data Pkg Required:	☐
Email To:	<u>Barker@weston.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-9-CO-55	8/17/17	1330		X	O	U
2	WS-AOC-9-CO-56		1340				
3	WS-AOC-9-CO-57		1350				
4	WS-AOC-9-CO-58		1400				
5	WS-AOC-9-CO-59		1410				
6	WS-AOC-9-AS-10		1300				
7	WS-AOC-9-CO-51		1240				
8	WS-AOC-9-AS-7		1020				
9	WS-AOC-9-AS-3		1110				
10	WS-AOC-9-CO-50		1250				

Comments:

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

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

Relinquished by: (Signature)	Date/Time: 8/17/17 1335	Detection Limit Requirements	Special Requirements
Received by: (Signature)	Date/Time: 8-17-17 15:35	MA	MA MCP Required
Relinquished by: (Signature)	Date/Time: 8-17-17 8:15	CT	MCP Certification Form Required
Received by: (Signature)	Date/Time: 8-17-17 8:15	DEC	CT RCP Required
Relinquished by: (Signature)	Date/Time: 8/17/17 2015		RCP Certification Form Required
Received by: (Signature)	Date/Time:		MA State DW Required
Relinquished by: (Signature)	Date/Time:		PWSID #



RELAC and AIHA-LAP, LLC Accredited

Project Entry	Government ☐ Federal ☐ City ☐	Municipality	21 J ☐ Brownfield ☐	MWRA	School ☐ MBTA ☐	Other	Chromatogram ☐ AIHA-LAP, LLC ☐
Relinquished by: (Signature)	Date/Time:	Received by: (Signature)	Date/Time:	Relinquished by: (Signature)	Date/Time:	Received by: (Signature)	Date/Time:

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



Company Name: Weston & Sampson
 Address: 273 Divisadero 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 Beecher
 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>Beecher@weston.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-AOL-9-Co-52	8/17/17	1230	X	0	U	
12	WS-AOL-9-AS-5		1015				
13	WS-AOL-9-AS-12		1010				
14	WS-AOL-9-Co-49		1255				
15	WS-AOL-9-AS-4		1305				
16	WS-AOL-9-AS-13		1000				
17	WS-AOL-9-AS-11		1005				
18	WS-AOL-9-AS-6		1040				
19	WS-AOL-9-AS-DUP-11		—				
20	WS-AOL-9-AS-8		1050				

Comments:

WS-AOL-9-AS-13 - 75 µs/µSD

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

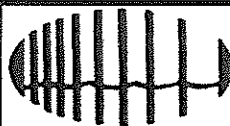
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time:	Detection Limit Requirements		Special Requirements	
<u>[Signature]</u>		8/17/17 1:30	MA	☐	MA MCP Required	☐
Received by: (signature)		Date/Time:	MCP Certification Form Required			
<u>[Signature]</u>		8-17-17 6:38	☒			
Relinquished by: (signature)		Date/Time:	CT		CT RCP Required	
<u>[Signature]</u>		8-17-17 8:15	☒		☒	
Received by: (signature)		Date/Time:	RCP Certification Form Required			
<u>[Signature]</u>		8-17-17 2015	☐			
Relinquished by: (signature)		Date/Time:	Other		MA State DMR Required	
<u>[Signature]</u>		8-17-17	☐		☐	
Received by: (signature)		Date/Time:	PWSID #			
<u>[Signature]</u>		2015				

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Project Entity		MELAC and AIHA-LAP, LLC Accredited			
☐ Government	☐ Municipality	☐ WRTA	☐ Chromatogram		
☐ Federal	☐ 21 J	☐ School	☐ AIHA-LAP, LLC		
☐ City	☐ Brownfield	☐ MBTA			

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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 JM Date 8/17/17 Time 2015

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.3
By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified?

Are there Rushes? N/A Who was notified?

Are there Short Holds? N/A Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A T JM

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid Base

als	#	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: 17H1006

Laboratory Sample ID(s):

17H1006-01 thru 17H1006-27

Sample Date(s):

08/17/2017

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: 08/30/17
Name of Laboratory: Con-Test Analytical Laboratory

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

September 6, 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: 17H1285

Enclosed are results of analyses for samples received by the laboratory on August 23, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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. 413/525-2332Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/6/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1285

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-CO-76	17H1285-01	Product/Solid		SW-846 8082A	
WS-AOC9-CO-77	17H1285-02	Product/Solid		SW-846 8082A	
WS-AOC9-AS-78	17H1285-03	Product/Solid		SW-846 8082A	
WS-AOC9-AS-79	17H1285-04	Product/Solid		SW-846 8082A	
WS-AOC9-CO-80	17H1285-05	Product/Solid		SW-846 8082A	
WS-AOC9-CO-81	17H1285-06	Product/Solid		SW-846 8082A	
WS-AOC9-CO-82	17H1285-07	Product/Solid		SW-846 8082A	
WS-AOC9-CO-83	17H1285-08	Product/Solid		SW-846 8082A	
WS-AOC9-CO-84	17H1285-09	Product/Solid		SW-846 8082A	
WS-AOC9-CO-Dup16	17H1285-10	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: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-76

Sampled: 8/23/2017 12:30

Sample ID: 17H1285-01

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	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1221 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1232 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1242 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1248 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1254 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1260 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1262 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Aroclor-1268 [1]	ND	0.076	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:21	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	129	30-150							
Decachlorobiphenyl [2]	113	30-150							
Tetrachloro-m-xylene [1]	109	30-150							
Tetrachloro-m-xylene [2]	108	30-150							

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

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-77

Sampled: 8/23/2017 12:35

Sample ID: 17H1285-02

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	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1221 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1232 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1242 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1248 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1254 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1260 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1262 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Aroclor-1268 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 20:39	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150						9/5/17 20:39	
Decachlorobiphenyl [2]	103	30-150						9/5/17 20:39	
Tetrachloro-m-xylene [1]	97.5	30-150						9/5/17 20:39	
Tetrachloro-m-xylene [2]	97.9	30-150						9/5/17 20:39	

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

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-78

Sampled: 8/23/2017 12:40

Sample ID: 17H1285-03

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	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1221 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1232 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1242 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1248 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1254 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1260 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1262 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Aroclor-1268 [1]	ND	0.89	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 20:56	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.3	30-150						9/5/17 20:56	
Decachlorobiphenyl [2]	89.3	30-150						9/5/17 20:56	
Tetrachloro-m-xylene [1]	80.5	30-150						9/5/17 20:56	
Tetrachloro-m-xylene [2]	89.5	30-150						9/5/17 20:56	

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-79

Sampled: 8/23/2017 12:45

Sample ID: 17H1285-04

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	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/29/17	9/5/17 21:14	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150						9/5/17 21:14	
Decachlorobiphenyl [2]	99.8	30-150						9/5/17 21:14	
Tetrachloro-m-xylene [1]	88.0	30-150						9/5/17 21:14	
Tetrachloro-m-xylene [2]	97.9	30-150						9/5/17 21:14	

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-80

Sampled: 8/23/2017 12:50

Sample ID: 17H1285-05

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	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:32	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	129	30-150						9/5/17 21:32	
Decachlorobiphenyl [2]	114	30-150						9/5/17 21:32	
Tetrachloro-m-xylene [1]	112	30-150						9/5/17 21:32	
Tetrachloro-m-xylene [2]	113	30-150						9/5/17 21:32	

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-81

Sampled: 8/23/2017 12:55

Sample ID: 17H1285-06

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	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1260 [1]	0.14	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 21:51	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	126	30-150						9/5/17 21:51	
Decachlorobiphenyl [2]	111	30-150						9/5/17 21:51	
Tetrachloro-m-xylene [1]	108	30-150						9/5/17 21:51	
Tetrachloro-m-xylene [2]	108	30-150						9/5/17 21:51	

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-82

Sampled: 8/23/2017 13:00

Sample ID: 17H1285-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:09	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	117	30-150						9/5/17 22:09	
Decachlorobiphenyl [2]	104	30-150						9/5/17 22:09	
Tetrachloro-m-xylene [1]	102	30-150						9/5/17 22:09	
Tetrachloro-m-xylene [2]	103	30-150						9/5/17 22:09	

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-83

Sampled: 8/23/2017 13:05

Sample ID: 17H1285-08

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	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150						9/5/17 22:26	
Decachlorobiphenyl [2]	97.6	30-150						9/5/17 22:26	
Tetrachloro-m-xylene [1]	102	30-150						9/5/17 22:26	
Tetrachloro-m-xylene [2]	104	30-150						9/5/17 22:26	

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

Sample Description:

Work Order: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-84

Sampled: 8/23/2017 13:10

Sample ID: 17H1285-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 22:44	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	136	30-150						9/5/17 22:44	
Decachlorobiphenyl [2]	118	30-150						9/5/17 22:44	
Tetrachloro-m-xylene [1]	112	30-150						9/5/17 22:44	
Tetrachloro-m-xylene [2]	111	30-150						9/5/17 22:44	

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: 17H1285

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-Dup16

Sampled: 8/23/2017 00:00

Sample ID: 17H1285-10

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	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 23:02	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.9	30-150						9/5/17 23:02	
Decachlorobiphenyl [2]	84.7	30-150						9/5/17 23:02	
Tetrachloro-m-xylene [1]	83.8	30-150						9/5/17 23:02	
Tetrachloro-m-xylene [2]	84.9	30-150						9/5/17 23:02	

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
17H1285-01 [WS-AOC9-CO-76]	B185079	2.62	10.0	08/29/17
17H1285-02 [WS-AOC9-CO-77]	B185079	2.66	10.0	08/29/17
17H1285-03 [WS-AOC9-AS-78]	B185079	2.25	10.0	08/29/17
17H1285-04 [WS-AOC9-AS-79]	B185079	2.15	10.0	08/29/17
17H1285-05 [WS-AOC9-CO-80]	B185079	2.17	10.0	08/29/17
17H1285-06 [WS-AOC9-CO-81]	B185079	2.44	10.0	08/29/17
17H1285-07 [WS-AOC9-CO-82]	B185079	2.18	10.0	08/29/17
17H1285-08 [WS-AOC9-CO-83]	B185079	2.21	10.0	08/29/17
17H1285-09 [WS-AOC9-CO-84]	B185079	2.01	10.0	08/29/17
17H1285-10 [WS-AOC9-CO-Dup16]	B185079	2.11	10.0	08/29/17

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 B185079 - SW-846 3540C
Blank (B185079-BLK1)

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.09		mg/Kg	1.00		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.942		mg/Kg	1.00		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.859		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.852		mg/Kg	1.00		85.2	30-150			

LCS (B185079-BS1)

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.9	40-140			
Aroclor-1016 [2C]	0.93	0.10	mg/Kg	1.00		92.9	40-140			
Aroclor-1260	0.89	0.10	mg/Kg	1.00		89.3	40-140			
Aroclor-1260 [2C]	0.81	0.10	mg/Kg	1.00		80.7	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.932		mg/Kg	1.00		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.910		mg/Kg	1.00		91.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.905		mg/Kg	1.00		90.5	30-150			

LCS Dup (B185079-BSD1)

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	0.98	0.10	mg/Kg	1.00		98.0	40-140	7.60	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		100	40-140	7.59	30	
Aroclor-1260	0.95	0.10	mg/Kg	1.00		95.3	40-140	6.47	30	
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		86.9	40-140	7.43	30	
Surrogate: Decachlorobiphenyl	1.14		mg/Kg	1.00		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.970		mg/Kg	1.00		97.0	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 B185079 - SW-846 3540C
Matrix Spike (B185079-MS1)
Source: 17H1285-01

Prepared: 08/29/17 Analyzed: 09/06/17

Aroclor-1016	0.87	0.083	mg/Kg	0.833	ND	104	40-140			
Aroclor-1016 [2C]	0.85	0.083	mg/Kg	0.833	ND	102	40-140			
Aroclor-1260	0.89	0.083	mg/Kg	0.833	ND	107	40-140			
Aroclor-1260 [2C]	0.76	0.083	mg/Kg	0.833	ND	91.5	40-140			
Surrogate: Decachlorobiphenyl	1.10		mg/Kg	0.833		132	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.905		mg/Kg	0.833		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.905		mg/Kg	0.833		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.870		mg/Kg	0.833		104	30-150			

Matrix Spike Dup (B185079-MSD1)
Source: 17H1285-01

Prepared: 08/29/17 Analyzed: 09/06/17

Aroclor-1016	0.65	0.098	mg/Kg	0.976	ND	66.4	40-140	28.7	50	
Aroclor-1016 [2C]	0.74	0.098	mg/Kg	0.976	ND	75.5	40-140	14.5	50	
Aroclor-1260	0.64	0.098	mg/Kg	0.976	ND	65.5	40-140	32.5	50	
Aroclor-1260 [2C]	0.59	0.098	mg/Kg	0.976	ND	60.3	40-140	25.8	50	
Surrogate: Decachlorobiphenyl	0.726		mg/Kg	0.976		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.614		mg/Kg	0.976		62.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.639		mg/Kg	0.976		65.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.636		mg/Kg	0.976		65.2	30-150			

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC9-CO-81***SW-846 8082A*

Lab Sample ID: 17H1285-06 Date(s) Analyzed: 09/05/2017 09/05/2017
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

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

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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	09/30/2017
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