con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	900	230	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 18:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	16	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Arsenic	26	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Barium	66	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Cadmium	1.9	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Chromium	74	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Copper	360	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Lead	190	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:08	TJK
Nickel	110	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:03	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:08	QNW
Vanadium	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Zinc	310	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Acrylonitrile	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Benzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromodichloromethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromoform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromomethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Butanone (MEK)	ND	0.061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
sec-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
tert-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Disulfide	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Tetrachloride	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorodibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroethane	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroform	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloromethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dibromomethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,4-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Ethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Hexachlorobutadiene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Hexanone (MBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Isopropylbenzene (Cumene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Methylene Chloride	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Naphthalene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Propylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Styrene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrachloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrahydrofuran	ND	0.015	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Toluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3,5-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Vinyl Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
m+p Xylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
o-Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		8/30/17 7:55
Toluene-d8	103	70-130		8/30/17 7:55
4-Bromofluorobenzene	101	70-130		8/30/17 7:55

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Acenaphthylene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Aniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)anthracene	2.0	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)pyrene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(b)fluoranthene	3.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(g,h,i)perylene	1.7	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(k)fluoranthene	1.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethoxy)methane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Bromophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Butylbenzylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Carbazole	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloroaniline	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chloronaphthalene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chlorophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Chrysene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenz(a,h)anthracene	0.44	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenzofuran	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-butylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3,3-Dichlorobenzidine	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Diethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dimethylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dimethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4,6-Dinitro-2-methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,6-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-octylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluoranthene	3.6	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluorene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobutadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorocyclopentadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachloroethane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Isophorone	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3/4-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Naphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Nitrobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitrophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodiphenylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodi-n-propylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachloronitrobenzene	ND	0.56	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenanthrene	0.93	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyrene	3.5	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyridine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4-Trichlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,5-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,6-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.2	30-130		9/6/17 20:52
Phenol-d6	52.6	30-130		9/6/17 20:52
Nitrobenzene-d5	58.0	30-130		9/6/17 20:52
2-Fluorobiphenyl	57.9	30-130		9/6/17 20:52
2,4,6-Tribromophenol	65.0	30-130		9/6/17 20:52
p-Terphenyl-d14	66.7	30-130		9/6/17 20:52

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1260 [1]	5.0	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 23:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 23:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	170	mg/Kg dry	10		CTDEP ETPH	9/5/17	9/8/17 16:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.1	50-150		9/8/17 16:29

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	6.2	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Arsenic	15	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Barium	180	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Beryllium	ND	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Cadmium	3.7	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Chromium	47	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Copper	650	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Lead	310	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Mercury	0.83	0.084	mg/Kg dry	2		SW-846 7471B	8/30/17	9/6/17 13:14	TJK
Nickel	160	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Selenium	37	8.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Silver	ND	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Thallium	ND	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Vanadium	450	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Zinc	1000	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 8:23
Toluene-d8	104	70-130		8/30/17 8:23
4-Bromofluorobenzene	98.3	70-130		8/30/17 8:23

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.1	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Acenaphthylene	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthylene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Aniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Aniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Anthracene	4.8	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Anthracene	5.5	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)anthracene	21	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)anthracene	23	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)pyrene	15	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)pyrene	16	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(b)fluoranthene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(b)fluoranthene	24	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(g,h,i)perylene	7.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(g,h,i)perylene	7.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(k)fluoranthene	8.4	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(k)fluoranthene	9.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethoxy)methane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroisopropyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Bromophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Butylbenzylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Carbazole	5.6	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Carbazole	6.2	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloroaniline	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloro-3-methylphenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chloronaphthalene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chloronaphthalene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chlorophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chlorophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Chrysene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Chrysene	25	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	2.0	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenz(a,h)anthracene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dibenzofuran	1.6	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenzofuran	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-butylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-butylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3,3-Dichlorobenzidine	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Diethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Diethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dimethylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dimethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4,6-Dinitro-2-methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4,6-Dinitro-2-methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,6-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-octylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluoranthene	67	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluoranthene	71	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluorene	1.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluorene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobutadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobutadiene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorocyclopentadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorocyclopentadiene	ND	7.5	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachloroethane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachloroethane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Indeno(1,2,3-cd)pyrene	8.7	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Indeno(1,2,3-cd)pyrene	8.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Isophorone	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Isophorone	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Methylnaphthalene	0.41	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylnaphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3/4-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3/4-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Naphthalene	1.2	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Naphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Nitrobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Nitrobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitrophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitrophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodiphenylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodiphenylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodi-n-propylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodi-n-propylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachloronitrobenzene	ND	0.75	mg/Kg dry	2	V-16	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachloronitrobenzene	ND	7.5	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenanthrene	45	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenanthrene	46	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyrene	61	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyrene	56	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyridine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyridine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4-Trichlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,5-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,6-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.5	30-130		9/6/17 21:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		68.1	30-130					9/7/17 13:45	
Phenol-d6		57.6	30-130					9/6/17 21:16	
Phenol-d6		66.6	30-130					9/7/17 13:45	
Nitrobenzene-d5		64.2	30-130					9/6/17 21:16	
Nitrobenzene-d5		76.0	30-130					9/7/17 13:45	
2-Fluorobiphenyl		59.5	30-130					9/6/17 21:16	
2-Fluorobiphenyl		66.6	30-130					9/7/17 13:45	
2,4,6-Tribromophenol		69.0	30-130					9/6/17 21:16	
2,4,6-Tribromophenol		74.3	30-130					9/7/17 13:45	
p-Terphenyl-d14		69.3	30-130					9/6/17 21:16	
p-Terphenyl-d14		72.6	30-130					9/7/17 13:45	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1260 [2]	0.26	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		9/9/17 23:28
Decachlorobiphenyl [2]	98.3	30-150		9/9/17 23:28
Tetrachloro-m-xylene [1]	91.9	30-150		9/9/17 23:28
Tetrachloro-m-xylene [2]	95.9	30-150		9/9/17 23:28

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 18:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	19	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Arsenic	10	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Barium	61	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Cadmium	0.78	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Chromium	48	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Copper	200	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Lead	240	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Mercury	0.10	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:09	TJK
Nickel	69	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:12	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:17	QNW
Vanadium	68	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Zinc	240	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Acrylonitrile	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorodibromomethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		8/30/17 9:19
Toluene-d8	105	70-130		8/30/17 9:19
4-Bromofluorobenzene	104	70-130		8/30/17 9:19

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthene	1.6	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Acenaphthylene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Aniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Aniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Anthracene	3.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)anthracene	16	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)anthracene	17	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)pyrene	13	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)pyrene	13	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(b)fluoranthene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(b)fluoranthene	19	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(g,h,i)perylene	6.2	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(g,h,i)perylene	7.7	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(k)fluoranthene	7.3	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(k)fluoranthene	6.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethoxy)methane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Bromophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Butylbenzylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Carbazole	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Carbazole	3.5	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloroaniline	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloro-3-methylphenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chloronaphthalene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chlorophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Chrysene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Chrysene	18	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenz(a,h)anthracene	1.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dibenzofuran	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-butylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3,3-Dichlorobenzidine	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Diethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dimethylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dimethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4,6-Dinitro-2-methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,6-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-octylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluoranthene	46	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluoranthene	52	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluorene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluorene	1.2	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobutadiene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorocyclopentadiene	ND	9.4	mg/Kg dry	25	V-05	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachloroethane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Indeno(1,2,3-cd)pyrene	6.6	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Indeno(1,2,3-cd)pyrene	8.4	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Isophorone	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Methylnaphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3/4-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Naphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Nitrobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitrophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodiphenylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodi-n-propylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachloronitrobenzene	ND	9.4	mg/Kg dry	25	V-16	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenanthrene	27	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenanthrene	30	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyrene	36	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyrene	46	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyridine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyridine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4-Trichlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,5-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,6-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.6	30-130		9/7/17 19:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		67.3	30-130					9/6/17 21:40	
Phenol-d6		68.4	30-130					9/7/17 19:06	
Phenol-d6		69.3	30-130					9/6/17 21:40	
Nitrobenzene-d5		76.5	30-130					9/7/17 19:06	
Nitrobenzene-d5		79.8	30-130					9/6/17 21:40	
2-Fluorobiphenyl		67.3	30-130					9/7/17 19:06	
2-Fluorobiphenyl		70.8	30-130					9/6/17 21:40	
2,4,6-Tribromophenol		86.7	30-130					9/7/17 19:06	
2,4,6-Tribromophenol		89.6	30-130					9/6/17 21:40	
p-Terphenyl-d14		74.3	30-130					9/7/17 19:06	
p-Terphenyl-d14		88.2	30-130					9/6/17 21:40	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1260 [1]	0.40	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1268 [1]	0.17	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		9/9/17 23:41
Decachlorobiphenyl [2]	96.4	30-150		9/9/17 23:41
Tetrachloro-m-xylene [1]	75.6	30-150		9/9/17 23:41
Tetrachloro-m-xylene [2]	79.2	30-150		9/9/17 23:41

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	780	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	5.6	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Arsenic	5.0	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Barium	130	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Cadmium	1.2	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Chromium	26	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Copper	140	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Lead	280	0.79	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Mercury	0.26	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:28	TJK
Nickel	92	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Vanadium	170	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Zinc	630	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		8/30/17 9:48
Toluene-d8	105	70-130		8/30/17 9:48
4-Bromofluorobenzene	98.8	70-130		8/30/17 9:48

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthene	ND	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Acenaphthylene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Aniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Aniline	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Anthracene	0.95	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)anthracene	9.7	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)anthracene	10	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)pyrene	8.0	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)pyrene	8.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(b)fluoranthene	12	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(b)fluoranthene	13	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(g,h,i)perylene	4.3	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(g,h,i)perylene	5.3	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(k)fluoranthene	3.8	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(k)fluoranthene	4.9	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethoxy)methane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroisopropyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Bromophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Butylbenzylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Carbazole	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Carbazole	0.77	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloroaniline	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chloronaphthalene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chlorophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Chrysene	10	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Chrysene	11	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenz(a,h)anthracene	1.4	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dibenzofuran	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-butylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3,3-Dichlorobenzidine	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Diethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dimethylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dimethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4,6-Dinitro-2-methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,6-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-octylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluoranthene	21	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluoranthene	24	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluorene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluorene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobutadiene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorocyclopentadiene	ND	6.0	mg/Kg dry	16	V-05	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachloroethane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Indeno(1,2,3-cd)pyrene	4.1	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Indeno(1,2,3-cd)pyrene	5.6	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Isophorone	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Methylnaphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3/4-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Naphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Nitrobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitrophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodiphenylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodi-n-propylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachloronitrobenzene	ND	6.0	mg/Kg dry	16	V-16	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenanthrene	6.2	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenanthrene	6.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyrene	18	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyrene	22	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyridine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyridine	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4-Trichlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,5-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,6-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.5	30-130		9/7/17 19:34

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		54.9	30-130					9/6/17 22:03	
Phenol-d6		51.9	30-130					9/7/17 19:34	
Phenol-d6		57.0	30-130					9/6/17 22:03	
Nitrobenzene-d5		63.4	30-130					9/7/17 19:34	
Nitrobenzene-d5		66.2	30-130					9/6/17 22:03	
2-Fluorobiphenyl		55.5	30-130					9/7/17 19:34	
2-Fluorobiphenyl		61.0	30-130					9/6/17 22:03	
2,4,6-Tribromophenol		69.8	30-130					9/7/17 19:34	
2,4,6-Tribromophenol		75.5	30-130					9/6/17 22:03	
p-Terphenyl-d14		62.4	30-130					9/7/17 19:34	
p-Terphenyl-d14		71.4	30-130					9/6/17 22:03	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1260 [1]	0.46	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		9/9/17 23:53
Decachlorobiphenyl [2]	89.7	30-150		9/9/17 23:53
Tetrachloro-m-xylene [1]	92.8	30-150		9/9/17 23:53
Tetrachloro-m-xylene [2]	95.6	30-150		9/9/17 23:53

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	820	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	24	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Arsenic	8.4	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Barium	560	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Cadmium	3.0	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Chromium	87	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Copper	350	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Lead	1500	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Mercury	0.25	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:30	TJK
Nickel	130	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:21	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:25	QNW
Vanadium	300	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Zinc	1900	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroform	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Naphthalene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
m+p Xylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 10:16
Toluene-d8	104	70-130		8/30/17 10:16
4-Bromofluorobenzene	104	70-130		8/30/17 10:16

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	3.2	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Acenaphthylene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthylene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Aniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Aniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Anthracene	7.7	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)anthracene	38	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)anthracene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)pyrene	28	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)pyrene	30	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(b)fluoranthene	42	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(b)fluoranthene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(g,h,i)perylene	14	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(g,h,i)perylene	14	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(k)fluoranthene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(k)fluoranthene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethoxy)methane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethoxy)methane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroisopropyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroisopropyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Bromophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Bromophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Butylbenzylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Butylbenzylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Carbazole	6.9	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Carbazole	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloroaniline	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloroaniline	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloro-3-methylphenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloro-3-methylphenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chloronaphthalene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chloronaphthalene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chlorophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chlorophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Chrysene	40	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Chrysene	45	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	3.8	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenz(a,h)anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dibenzofuran	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenzofuran	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-butylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-butylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3,3-Dichlorobenzidine	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3,3-Dichlorobenzidine	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Diethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Diethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dimethylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dimethylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dimethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dimethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4,6-Dinitro-2-methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4,6-Dinitro-2-methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,6-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,6-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-octylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-octylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluoranthene	130	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluoranthene	120	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluorene	2.3	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluorene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobutadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobutadiene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorocyclopentadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorocyclopentadiene	ND	21	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachloroethane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachloroethane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Indeno(1,2,3-cd)pyrene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Indeno(1,2,3-cd)pyrene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Isophorone	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Isophorone	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Methylnaphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylnaphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3/4-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3/4-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Naphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Naphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Nitrobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Nitrobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitrophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitrophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodiphenylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodiphenylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodi-n-propylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodi-n-propylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachloronitrobenzene	ND	2.1	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachloronitrobenzene	ND	21	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenanthrene	66	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenanthrene	61	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyrene	110	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyrene	97	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyridine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyridine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4-Trichlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4-Trichlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,5-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,5-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,6-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,6-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.3	30-130		9/6/17 22:27

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		71.8	30-130					9/7/17 14:15	
Phenol-d6		65.5	30-130					9/6/17 22:27	
Phenol-d6		72.2	30-130					9/7/17 14:15	
Nitrobenzene-d5		67.6	30-130					9/6/17 22:27	
Nitrobenzene-d5		86.8	30-130					9/7/17 14:15	
2-Fluorobiphenyl		45.1	30-130					9/6/17 22:27	
2-Fluorobiphenyl		53.6	30-130					9/7/17 14:15	
2,4,6-Tribromophenol		80.5	30-130					9/6/17 22:27	
2,4,6-Tribromophenol		89.8	30-130					9/7/17 14:15	
p-Terphenyl-d14		56.0	30-130					9/6/17 22:27	
p-Terphenyl-d14		59.2	30-130					9/7/17 14:15	

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1221 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1232 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1242 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1248 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1254 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1260 [1]	9.8	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1262 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1268 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:06
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:06

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3800	770	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:50

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Arsenic	23	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Barium	330	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Beryllium	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Cadmium	2.3	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Chromium	65	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Copper	3300	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Lead	290	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Mercury	27	3.9	mg/Kg dry	100		SW-846 7471B	8/30/17	9/6/17 13:23	TJK
Nickel	580	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Selenium	31	7.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Silver	ND	0.74	mg/Kg dry	1	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Thallium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Vanadium	740	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Zinc	1100	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	64.7		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Acrylonitrile	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Benzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromodichloromethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromoform	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromomethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Butanone (MEK)	ND	2.3	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
sec-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
tert-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Disulfide	ND	0.35	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Tetrachloride	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorodibromomethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroethane	0.31	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroform	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloromethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromoethane (EDB)	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dibromomethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,4-Dichlorobenzene	6.0	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,4-Dichloro-2-butene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethane	0.15	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloroethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichloropropane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloropropene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Ethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Hexachlorobutadiene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Hexanone (MBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Isopropylbenzene (Cumene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Methylene Chloride	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Propylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Styrene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1,2-Tetrachloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrachloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrahydrofuran	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Toluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichlorofluoromethane (Freon 11)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichloropropane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3,5-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Vinyl Chloride	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
m+p Xylene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
o-Xylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		9/5/17 16:37
Toluene-d8	99.8	70-130		9/5/17 16:37
4-Bromofluorobenzene	96.0	70-130		9/5/17 16:37

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Acenaphthylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Aniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)anthracene	2.0	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)pyrene	1.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(b)fluoranthene	2.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(g,h,i)perylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(k)fluoranthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethoxy)methane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroisopropyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Bromophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Butylbenzylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Carbazole	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloroaniline	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloro-3-methylphenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chloronaphthalene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chlorophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Chrysene	2.5	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenz(a,h)anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenzofuran	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-butylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3,3-Dichlorobenzidine	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Diethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dimethylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dimethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4,6-Dinitro-2-methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,6-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-octylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluoranthene	5.1	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluorene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobutadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorocyclopentadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachloroethane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Indeno(1,2,3-cd)pyrene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Isophorone	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Methylnaphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3/4-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Naphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Nitrobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitrophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodiphenylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodi-n-propylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachloronitrobenzene	ND	2.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenanthrene	2.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyrene	5.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyridine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4-Trichlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,5-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,6-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.8	30-130		9/6/17 22:51
Phenol-d6	60.3	30-130		9/6/17 22:51
Nitrobenzene-d5	69.4	30-130		9/6/17 22:51
2-Fluorobiphenyl	59.4	30-130		9/6/17 22:51
2,4,6-Tribromophenol	76.5	30-130		9/6/17 22:51
p-Terphenyl-d14	79.4	30-130		9/6/17 22:51

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1254 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1260 [1]	7.5	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:18
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2100	890	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	9.9	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Arsenic	8.8	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Barium	98	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Beryllium	ND	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Cadmium	4.6	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Chromium	33	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Copper	530	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Lead	190	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Mercury	0.52	0.043	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:25	TJK
Nickel	47	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Selenium	ND	8.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Silver	ND	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Thallium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Vanadium	160	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Zinc	610	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	56.0		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Acrylonitrile	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Disulfide	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		8/30/17 11:12
Toluene-d8	103	70-130		8/30/17 11:12
4-Bromofluorobenzene	100	70-130		8/30/17 11:12

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Acenaphthylene	4.2	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthylene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Aniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Aniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Anthracene	29	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)anthracene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)anthracene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)pyrene	65	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)pyrene	68	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(b)fluoranthene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(b)fluoranthene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(g,h,i)perylene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(g,h,i)perylene	45	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(k)fluoranthene	30	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(k)fluoranthene	31	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethoxy)methane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethoxy)methane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroisopropyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroisopropyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Bromophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Bromophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Butylbenzylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Butylbenzylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Carbazole	16	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Carbazole	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloroaniline	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloroaniline	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloro-3-methylphenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chloronaphthalene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chloronaphthalene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chlorophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chlorophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Chrysene	76	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Chrysene	79	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	10	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenz(a,h)anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dibenzofuran	6.6	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenzofuran	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-butylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-butylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3,3-Dichlorobenzidine	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3,3-Dichlorobenzidine	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Diethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Diethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dimethylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dimethylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dimethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dimethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4,6-Dinitro-2-methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4,6-Dinitro-2-methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,6-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,6-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-octylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-octylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluoranthene	180	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluoranthene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluorene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluorene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobutadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobutadiene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorocyclopentadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorocyclopentadiene	ND	61	mg/Kg dry	80	V-05	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachloroethane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachloroethane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Indeno(1,2,3-cd)pyrene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Indeno(1,2,3-cd)pyrene	46	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Isophorone	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Isophorone	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Methylnaphthalene	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylnaphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3/4-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3/4-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Naphthalene	5.9	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Naphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Nitrobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Nitrobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitrophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitrophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodiphenylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodiphenylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodi-n-propylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodi-n-propylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachloronitrobenzene	ND	6.1	mg/Kg dry	8	V-16	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachloronitrobenzene	ND	61	mg/Kg dry	80	V-16	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenanthrene	140	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenanthrene	120	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyrene	150	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyrene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyridine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyridine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4-Trichlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4-Trichlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,5-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,5-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,6-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,6-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.8	30-130		9/6/17 23:14

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		48.8	30-130					9/7/17 2:24	
Phenol-d6		37.6	30-130					9/6/17 23:14	
Phenol-d6		44.8	30-130					9/7/17 2:24	
Nitrobenzene-d5		45.4	30-130					9/6/17 23:14	
Nitrobenzene-d5		57.6	30-130					9/7/17 2:24	
2-Fluorobiphenyl		42.2	30-130					9/6/17 23:14	
2-Fluorobiphenyl		48.0	30-130					9/7/17 2:24	
2,4,6-Tribromophenol		50.5	30-130					9/6/17 23:14	
2,4,6-Tribromophenol		56.8	30-130					9/7/17 2:24	
p-Terphenyl-d14		55.8	30-130					9/6/17 23:14	
p-Terphenyl-d14		76.8	30-130					9/7/17 2:24	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1221 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1232 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1242 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1248 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1254 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1260 [1]	2300	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1262 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1268 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:08
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6300	1100	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	21	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Arsenic	37	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Barium	120	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Cadmium	2.3	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Chromium	51	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Copper	290	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Lead	230	0.84	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:39	TJK
Nickel	87	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Silver	ND	2.8	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:49	QNW
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:37	QNW
Vanadium	280	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Zinc	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 12:08
Toluene-d8	104	70-130		8/30/17 12:08
4-Bromofluorobenzene	101	70-130		8/30/17 12:08

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	57	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthene	74	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Acenaphthylene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthylene	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Aniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Aniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Anthracene	70	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Anthracene	88	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)anthracene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)anthracene	230	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)pyrene	200	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)pyrene	240	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(b)fluoranthene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(b)fluoranthene	280	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(g,h,i)perylene	130	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(g,h,i)perylene	130	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(k)fluoranthene	91	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(k)fluoranthene	92	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethoxy)methane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethoxy)methane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroisopropyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroisopropyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Bromophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Bromophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Butylbenzylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Butylbenzylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Carbazole	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Carbazole	43	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloroaniline	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloroaniline	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloro-3-methylphenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloro-3-methylphenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chloronaphthalene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chloronaphthalene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chlorophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chlorophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Chrysene	210	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Chrysene	220	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenz(a,h)anthracene	34	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dibenzofuran	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenzofuran	22	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-butylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-butylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3,3-Dichlorobenzidine	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3,3-Dichlorobenzidine	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Diethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Diethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dimethylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dimethylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dimethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dimethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4,6-Dinitro-2-methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4,6-Dinitro-2-methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,6-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,6-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-octylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-octylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluoranthene	460	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluoranthene	440	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluorene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluorene	39	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobutadiene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobutadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorocyclopentadiene	ND	80	mg/Kg dry	100	V-05	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorocyclopentadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachloroethane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachloroethane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Indeno(1,2,3-cd)pyrene	140	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Indeno(1,2,3-cd)pyrene	150	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Isophorone	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Isophorone	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Methylnaphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylnaphthalene	12	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3/4-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3/4-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Naphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Naphthalene	28	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Nitrobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Nitrobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitrophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitrophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodiphenylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodiphenylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodi-n-propylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodi-n-propylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachloronitrobenzene	ND	80	mg/Kg dry	100	V-16	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachloronitrobenzene	ND	4.0	mg/Kg dry	5	V-16	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenanthrene	350	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenanthrene	330	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyrene	390	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyrene	480	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyridine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyridine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4-Trichlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4-Trichlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,5-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,5-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,6-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,6-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 13:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**		**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		56.3		30-130					9/6/17 23:38	
Phenol-d6			*	30-130		S-01			9/7/17 13:16	
Phenol-d6		58.0		30-130					9/6/17 23:38	
Nitrobenzene-d5			*	30-130		S-01			9/7/17 13:16	
Nitrobenzene-d5		66.9		30-130					9/6/17 23:38	
2-Fluorobiphenyl			*	30-130		S-01			9/7/17 13:16	
2-Fluorobiphenyl		63.4		30-130					9/6/17 23:38	
2,4,6-Tribromophenol			*	30-130		S-01			9/7/17 13:16	
2,4,6-Tribromophenol		72.8		30-130					9/6/17 23:38	
p-Terphenyl-d14			*	30-130		S-01			9/7/17 13:16	
p-Terphenyl-d14		85.1		30-130					9/6/17 23:38	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1254 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1260 [1]	14	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 1:21
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 1:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	7400	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:43

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Arsenic	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Barium	130	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Cadmium	3.4	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Chromium	97	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Copper	570	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Lead	1800	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Mercury	0.35	0.029	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:41	TJK
Nickel	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Silver	ND	2.9	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:54	QNW
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:54	QNW
Vanadium	2000	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Zinc	1100	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromomethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorodibromomethane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloromethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichloropropane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrahydrofuran	ND	0.0091	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Vinyl Chloride	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 11:40
Toluene-d8	105	70-130		8/30/17 11:40
4-Bromofluorobenzene	102	70-130		8/30/17 11:40

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.2	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthene	4.1	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Acenaphthylene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthylene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Aniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Aniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Anthracene	6.6	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Anthracene	6.7	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)anthracene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)anthracene	31	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)pyrene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)pyrene	33	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(b)fluoranthene	37	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(b)fluoranthene	39	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(g,h,i)perylene	20	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(g,h,i)perylene	21	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(k)fluoranthene	15	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(k)fluoranthene	13	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethoxy)methane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroisopropyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-Ethylhexyl)phthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Bromophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Butylbenzylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Butylbenzylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Carbazole	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Carbazole	3.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloroaniline	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloroaniline	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloro-3-methylphenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloro-3-methylphenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chloronaphthalene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chloronaphthalene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chlorophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Chrysene	32	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Chrysene	32	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	5.1	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenz(a,h)anthracene	4.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dibenzofuran	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenzofuran	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-butylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-butylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3,3-Dichlorobenzidine	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3,3-Dichlorobenzidine	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Diethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Diethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dimethylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dimethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dimethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4,6-Dinitro-2-methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,6-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-octylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-octylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluoranthene	62	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluoranthene	68	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluorene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluorene	2.6	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobutadiene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobutadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorocyclopentadiene	ND	8.2	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachloroethane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachloroethane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Indeno(1,2,3-cd)pyrene	21	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Indeno(1,2,3-cd)pyrene	23	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Isophorone	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Isophorone	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Methylnaphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylnaphthalene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3/4-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3/4-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Naphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Naphthalene	1.3	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Nitrobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Nitrobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitrophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitrophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodiphenylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodi-n-propylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachloronitrobenzene	ND	8.2	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenanthrene	33	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenanthrene	38	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyrene	51	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyrene	73	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyridine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyridine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4-Trichlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,5-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,6-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.3	30-130		9/7/17 14:45

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		50.3	30-130					9/7/17 0:02	
Phenol-d6		52.5	30-130					9/7/17 14:45	
Phenol-d6		51.9	30-130					9/7/17 0:02	
Nitrobenzene-d5		59.8	30-130					9/7/17 14:45	
Nitrobenzene-d5		58.2	30-130					9/7/17 0:02	
2-Fluorobiphenyl		55.0	30-130					9/7/17 14:45	
2-Fluorobiphenyl		52.0	30-130					9/7/17 0:02	
2,4,6-Tribromophenol		64.4	30-130					9/7/17 14:45	
2,4,6-Tribromophenol		66.6	30-130					9/7/17 0:02	
p-Terphenyl-d14		57.8	30-130					9/7/17 14:45	
p-Terphenyl-d14		68.9	30-130					9/7/17 0:02	

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1260 [1]	5.7	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:26
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4000	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:01	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Arsenic	18	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Barium	140	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Cadmium	2.9	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Chromium	47	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Copper	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Lead	470	0.89	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Mercury	0.35	0.030	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:42	TJK
Nickel	240	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Silver	ND	1.2	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/7/17 19:12	QNW
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:57	QNW
Vanadium	1700	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Zinc	980	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromoethane (EDB)	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		8/30/17 12:36
Toluene-d8	104	70-130		8/30/17 12:36
4-Bromofluorobenzene	104	70-130		8/30/17 12:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthene	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthene	21	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Acenaphthylene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthylene	2.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthylene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Aniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Aniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Aniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Anthracene	36	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Anthracene	41	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Anthracene	37	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)anthracene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)anthracene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)anthracene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)pyrene	93	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)pyrene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)pyrene	98	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(b)fluoranthene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(b)fluoranthene	150	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(b)fluoranthene	120	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(g,h,i)perylene	45	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(g,h,i)perylene	52	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(g,h,i)perylene	46	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(k)fluoranthene	44	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(k)fluoranthene	38	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(k)fluoranthene	45	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethoxy)methane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethoxy)methane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroisopropyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroisopropyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Bromophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Bromophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Butylbenzylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Butylbenzylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Carbazole	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Carbazole	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Carbazole	23	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloroaniline	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloroaniline	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloroaniline	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloro-3-methylphenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloro-3-methylphenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloro-3-methylphenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chloronaphthalene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chloronaphthalene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chloronaphthalene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chlorophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chlorophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chlorophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Chrysene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Chrysene	100	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Chrysene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenz(a,h)anthracene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenz(a,h)anthracene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenz(a,h)anthracene	13	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenzofuran	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenzofuran	8.8	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenzofuran	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-butylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-butylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-butylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3,3-Dichlorobenzidine	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3,3-Dichlorobenzidine	ND	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3,3-Dichlorobenzidine	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Diethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Diethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Diethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dimethylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dimethylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dimethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dimethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dimethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4,6-Dinitro-2-methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4,6-Dinitro-2-methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4,6-Dinitro-2-methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,6-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,6-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-octylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-octylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluoranthene	250	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluoranthene	170	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluoranthene	300	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluorene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluorene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluorene	15	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobutadiene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobutadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobutadiene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorocyclopentadiene	ND	72	mg/Kg dry	200	V-05	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorocyclopentadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorocyclopentadiene	ND	14	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachloroethane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachloroethane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachloroethane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Indeno(1,2,3-cd)pyrene	51	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Indeno(1,2,3-cd)pyrene	65	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Indeno(1,2,3-cd)pyrene	54	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Isophorone	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Isophorone	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Isophorone	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Methylnaphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylnaphthalene	2.5	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylnaphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3/4-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3/4-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3/4-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Naphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Naphthalene	5.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Naphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Nitrobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Nitrobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Nitrobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitrophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitrophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitrophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodiphenylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodiphenylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodiphenylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodi-n-propylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodi-n-propylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodi-n-propylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachloronitrobenzene	ND	72	mg/Kg dry	200	V-16	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachloronitrobenzene	ND	1.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachloronitrobenzene	ND	14	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenanthrene	190	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Phenanthrene	130	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenanthrene	220	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyrene	200	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyrene	190	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyrene	220	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyridine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyridine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyridine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4-Trichlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4-Trichlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,5-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,5-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,6-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,6-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 15:44
2-Fluorophenol	56.3	30-130		9/7/17 0:25
2-Fluorophenol	58.6	30-130		9/7/17 15:14
Phenol-d6	*	30-130	S-01	9/7/17 15:44
Phenol-d6	57.2	30-130		9/7/17 0:25
Phenol-d6	56.2	30-130		9/7/17 15:14
Nitrobenzene-d5	*	30-130	S-01	9/7/17 15:44
Nitrobenzene-d5	60.8	30-130		9/7/17 0:25
Nitrobenzene-d5	64.4	30-130		9/7/17 15:14
2-Fluorobiphenyl	*	30-130	S-01	9/7/17 15:44
2-Fluorobiphenyl	58.2	30-130		9/7/17 0:25
2-Fluorobiphenyl	59.2	30-130		9/7/17 15:14
2,4,6-Tribromophenol	*	30-130	S-01	9/7/17 15:44
2,4,6-Tribromophenol	74.5	30-130		9/7/17 0:25
2,4,6-Tribromophenol	67.4	30-130		9/7/17 15:14
p-Terphenyl-d14	*	30-130	S-01	9/7/17 15:44
p-Terphenyl-d14	77.1	30-130		9/7/17 0:25
p-Terphenyl-d14	70.4	30-130		9/7/17 15:14

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1260 [1]	1.5	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	40.9	30-150		9/10/17 1:46
Decachlorobiphenyl [2]	130	30-150		9/10/17 1:46
Tetrachloro-m-xylene [1]	39.8	30-150		9/10/17 1:46
Tetrachloro-m-xylene [2]	44.8	30-150		9/10/17 1:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	31	11	mg/Kg dry	1		CTDEP ETPH	9/5/17	9/8/17 2:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.9	50-150		9/8/17 2:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	20	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Arsenic	19	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Barium	150	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Cadmium	2.4	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Chromium	80	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Copper	450	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Lead	870	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Mercury	0.11	0.026	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:44	TJK
Nickel	120	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:02	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:05	QNW
Vanadium	470	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Zinc	1500	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	4.8	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Acrylonitrile	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Benzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromodichloromethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromoform	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromomethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Butanone (MEK)	ND	1.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Butylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
sec-Butylbenzene	0.13	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
tert-Butylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Disulfide	ND	0.29	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Tetrachloride	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorodibromomethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroform	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloromethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromoethane (EDB)	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dibromomethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,4-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,4-Dichloro-2-butene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichloropropane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloropropene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Ethylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Hexachlorobutadiene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Hexanone (MBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Isopropylbenzene (Cumene)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
p-Isopropyltoluene (p-Cymene)	0.11	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Methylene Chloride	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Naphthalene	0.73	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Propylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Styrene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrachloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrahydrofuran	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Toluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichlorofluoromethane (Freon 11)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichloropropane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trimethylbenzene	0.44	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3,5-Trimethylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Vinyl Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
m+p Xylene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
o-Xylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	119	70-130		9/5/17 17:08
Toluene-d8	104	70-130		9/5/17 17:08
4-Bromofluorobenzene	96.0	70-130		9/5/17 17:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Acenaphthylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Aniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(b)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(g,h,i)perylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(k)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethoxy)methane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Bromophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Butylbenzylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Carbazole	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloroaniline	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloro-3-methylphenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chloronaphthalene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chlorophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Chrysene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenz(a,h)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenzofuran	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-butylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3,3-Dichlorobenzidine	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Diethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dimethylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dimethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,6-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-octylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluoranthene	5.0	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluorene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobutadiene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorocyclopentadiene	ND	9.8	mg/Kg dry	10	V-05	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachloroethane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Isophorone	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Methylnaphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3/4-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Naphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Nitrobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitrophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodiphenylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodi-n-propylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachloronitrobenzene	ND	9.8	mg/Kg dry	10	V-16	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenanthrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyridine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4-Trichlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,5-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,6-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.7	30-130		9/7/17 20:30
Phenol-d6	65.3	30-130		9/7/17 20:30
Nitrobenzene-d5	75.0	30-130		9/7/17 20:30
2-Fluorobiphenyl	66.0	30-130		9/7/17 20:30
2,4,6-Tribromophenol	87.7	30-130		9/7/17 20:30
p-Terphenyl-d14	70.0	30-130		9/7/17 20:30

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1260 [1]	0.32	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1268 [1]	0.14	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	51.6	30-150		9/10/17 1:59
Decachlorobiphenyl [2]	58.7	30-150		9/10/17 1:59
Tetrachloro-m-xylene [1]	58.3	30-150		9/10/17 1:59
Tetrachloro-m-xylene [2]	63.7	30-150		9/10/17 1:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1600	1400	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.8	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Arsenic	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Barium	210	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Beryllium	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Cadmium	2.0	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Chromium	32	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Copper	220	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Lead	460	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Mercury	0.098	0.036	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:46	TJK
Nickel	31	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Thallium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Vanadium	98	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Zinc	950	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-26 Sampled: 8/29/2017 09:10

Sample ID: 17H1544-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1260 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/9/17 0:59
Decachlorobiphenyl [2]	117	30-150		9/9/17 0:59
Tetrachloro-m-xylene [1]	90.2	30-150		9/9/17 0:59
Tetrachloro-m-xylene [2]	97.3	30-150		9/9/17 0:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-27 Sampled: 8/29/2017 09:40

Sample ID: 17H1544-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1260 [2]	0.93	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/9/17 1:17
Decachlorobiphenyl [2]	119	30-150		9/9/17 1:17
Tetrachloro-m-xylene [1]	91.3	30-150		9/9/17 1:17
Tetrachloro-m-xylene [2]	98.4	30-150		9/9/17 1:17

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-29 Sampled: 8/29/2017 10:05

Sample ID: 17H1544-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1260 [2]	2.9	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/9/17 21:40
Decachlorobiphenyl [2]	118	30-150		9/9/17 21:40
Tetrachloro-m-xylene [1]	97.4	30-150		9/9/17 21:40
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 21:40

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-16 Sampled: 8/29/2017 12:05

Sample ID: 17H1544-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1221 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1232 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1242 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1248 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1254 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1260 [2]	1800	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1262 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1268 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 22:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 22:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-17 Sampled: 8/29/2017 12:20

Sample ID: 17H1544-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1260 [1]	1.9	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		9/9/17 22:33
Decachlorobiphenyl [2]	145	30-150		9/9/17 22:33
Tetrachloro-m-xylene [1]	117	30-150		9/9/17 22:33
Tetrachloro-m-xylene [2]	121	30-150		9/9/17 22:33

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-18 Sampled: 8/29/2017 12:35

Sample ID: 17H1544-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1260 [1]	2.0	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.2	30-150		9/9/17 22:51
Decachlorobiphenyl [2]	72.2	30-150		9/9/17 22:51
Tetrachloro-m-xylene [1]	62.8	30-150		9/9/17 22:51
Tetrachloro-m-xylene [2]	64.1	30-150		9/9/17 22:51

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-19 Sampled: 8/29/2017 12:50

Sample ID: 17H1544-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1260 [2]	0.79	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/9/17 23:09
Decachlorobiphenyl [2]	130	30-150		9/9/17 23:09
Tetrachloro-m-xylene [1]	93.0	30-150		9/9/17 23:09
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 23:09

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		8/30/17 10:44
Toluene-d8	106	70-130		8/30/17 10:44
4-Bromofluorobenzene	102	70-130		8/30/17 10:44

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Acenaphthylene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Aniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)anthracene	1.4	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)pyrene	1.5	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(b)fluoranthene	1.9	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(g,h,i)perylene	0.90	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(k)fluoranthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethoxy)methane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroisopropyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Bromophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Butylbenzylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Carbazole	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloroaniline	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloro-3-methylphenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chloronaphthalene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chlorophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Chrysene	1.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenzofuran	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-butylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3,3-Dichlorobenzidine	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Diethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dimethylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dimethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4,6-Dinitro-2-methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,6-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-octylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluoranthene	2.3	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluorene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobutadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorocyclopentadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachloroethane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Indeno(1,2,3-cd)pyrene	0.95	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Isophorone	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3/4-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Naphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Nitrobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitrophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodiphenylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodi-n-propylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachloronitrobenzene	ND	1.7	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenanthrene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyrene	2.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyridine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,5-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,6-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.0	30-130		9/7/17 1:13
Phenol-d6	69.6	30-130		9/7/17 1:13
Nitrobenzene-d5	76.4	30-130		9/7/17 1:13
2-Fluorobiphenyl	63.6	30-130		9/7/17 1:13
2,4,6-Tribromophenol	89.5	30-130		9/7/17 1:13
p-Terphenyl-d14	83.2	30-130		9/7/17 1:13

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1254 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1260 [1]	1.6	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.2	30-150		9/10/17 2:12
Decachlorobiphenyl [2]	83.6	30-150		9/10/17 2:12
Tetrachloro-m-xylene [1]	85.0	30-150		9/10/17 2:12
Tetrachloro-m-xylene [2]	90.9	30-150		9/10/17 2:12

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	560	250	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 21:36	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:36

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	18	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Arsenic	16	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Barium	70	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Cadmium	1.4	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Chromium	91	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Copper	410	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Lead	180	0.94	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Mercury	0.21	0.031	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:47	TJK
Nickel	150	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Silver	ND	1.3	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:09	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:14	QNW
Vanadium	470	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Zinc	330	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185490	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185490	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185490	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185490	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185490	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185490	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185490	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185490	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185490	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185490	30.0	2.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185490	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185490	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185490	30.0	1.00	09/05/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1544-01 [WS-AOC13-SE-26]	B185325	08/31/17
17H1544-02 [WS-AOC13-SE-27]	B185325	08/31/17
17H1544-03 [WS-AOC13-SE-28]	B185325	08/31/17
17H1544-04 [WS-AOC13-SE-29]	B185325	08/31/17
17H1544-05 [WS-AOC13-SE-30]	B185325	08/31/17
17H1544-06 [WS-AOC13-SE-31]	B185325	08/31/17
17H1544-07 [WS-AOC3-SE-6]	B185325	08/31/17
17H1544-08 [WS-AOC8-SE-16]	B185325	08/31/17
17H1544-09 [WS-AOC8-SE-17]	B185325	08/31/17
17H1544-10 [AS-AOC8-SE-18]	B185325	08/31/17
17H1544-11 [WS-AOC8-SE-19]	B185325	08/31/17
17H1544-12 [WS-AOC8-SE-24]	B185325	08/31/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185325	08/31/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185527	1.04	50.0	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185527	1.02	50.0	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185527	1.00	50.0	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185527	1.05	50.0	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185527	1.08	50.0	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185527	1.04	50.0	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185527	1.02	50.0	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185527	1.01	50.0	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185527	1.00	50.0	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185527	1.01	50.0	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185527	1.04	50.0	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185527	1.07	50.0	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185527	0.996	50.0	09/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185230	0.606	50.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185230	0.591	50.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185230	0.620	50.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185230	0.625	50.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185230	0.598	50.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185230	0.593	50.0	08/30/17
17H1544-07 [WS-AOC3-SE-6]	B185230	0.625	50.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185230	0.603	50.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185230	0.604	50.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185230	0.605	50.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185230	0.602	50.0	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185230	0.599	50.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185230	0.605	50.0	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-13 [WS-AOC13-CO-26]	B185577	2.01	10.0	09/06/17
17H1544-14 [WS-AOC13-CO-27]	B185577	2.05	10.0	09/06/17
17H1544-15 [WS-AOC13-CO-29]	B185577	2.23	10.0	09/06/17
17H1544-16 [WS-AOC8-CO-16]	B185577	2.07	10.0	09/06/17
17H1544-17 [WS-AOC8-CO-17]	B185577	2.09	10.0	09/06/17
17H1544-18 [WS-AOC8-CO-18]	B185577	2.08	10.0	09/06/17
17H1544-19 [WS-AOC8-CO-19]	B185577	2.07	10.0	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185576	10.0	10.0	09/06/17
17H1544-02 [WS-AOC13-SE-27]	B185576	10.3	10.0	09/06/17
17H1544-03 [WS-AOC13-SE-28]	B185576	10.1	10.0	09/06/17
17H1544-04 [WS-AOC13-SE-29]	B185576	10.0	10.0	09/06/17
17H1544-05 [WS-AOC13-SE-30]	B185576	10.0	10.0	09/06/17
17H1544-06 [WS-AOC13-SE-31]	B185576	10.2	10.0	09/06/17
17H1544-07 [WS-AOC3-SE-6]	B185576	10.1	10.0	09/06/17
17H1544-08 [WS-AOC8-SE-16]	B185576	10.2	10.0	09/06/17
17H1544-09 [WS-AOC8-SE-17]	B185576	10.2	10.0	09/06/17
17H1544-10 [AS-AOC8-SE-18]	B185576	10.3	10.0	09/06/17
17H1544-11 [WS-AOC8-SE-19]	B185576	10.0	10.0	09/06/17
17H1544-12 [WS-AOC8-SE-24]	B185576	10.2	10.0	09/06/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185576	10.1	10.0	09/06/17

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

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
17H1544-07 [WS-AOC3-SE-6]	B185016	5.72	7.52	1	50	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185016	4.88	6.49	1	50	08/30/17

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185200	6.54	10.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185200	5.46	10.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185200	6.98	10.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185200	7.23	10.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185200	5.99	10.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185200	7.12	10.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185200	5.56	10.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185200	5.73	10.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185200	6.60	10.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185200	5.36	10.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185200	6.80	10.0	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185495	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185495	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-03RE1 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-04RE1 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-05RE1 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-06RE1 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185495	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-08RE1 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-09RE1 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-10RE1 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE1 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE2 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185495	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185495	30.0	1.00	09/05/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17						
Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
Carbon Disulfide	ND	0.15	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035											
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Tetrachloroethylene	ND	0.050	mg/Kg wet								
Tetrahydrofuran	ND	0.50	mg/Kg wet								
Toluene	ND	0.050	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet								
Trichloroethylene	ND	0.050	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet								
Vinyl Chloride	ND	0.10	mg/Kg wet								
m+p Xylene	ND	0.10	mg/Kg wet								
o-Xylene	ND	0.050	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0275*		mg/Kg wet	0.0250		110		70-130			
Surrogate: Toluene-d8	*0.0253*		mg/Kg wet	0.0250		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0231*		mg/Kg wet	0.0250		92.4		70-130			
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Acetone	0.125	0.057	mg/Kg wet	0.113		110		70-130			
Acrylonitrile	0.0123	0.0057	mg/Kg wet	0.0113		109		70-130			
Benzene	0.0126	0.0011	mg/Kg wet	0.0113		111		70-130			
Bromobenzene	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromodichloromethane	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromoform	0.0117	0.0011	mg/Kg wet	0.0113		104		70-130			
Bromomethane	0.0147	0.0023	mg/Kg wet	0.0113		129		70-130			
2-Butanone (MEK)	0.139	0.023	mg/Kg wet	0.113		123		70-130			
n-Butylbenzene	0.0142	0.0011	mg/Kg wet	0.0113		125		70-130			
sec-Butylbenzene	0.0133	0.0011	mg/Kg wet	0.0113		118		70-130			
tert-Butylbenzene	0.0132	0.0011	mg/Kg wet	0.0113		117		70-130			
Carbon Disulfide	0.140	0.0034	mg/Kg wet	0.113		124		70-130			
Carbon Tetrachloride	0.0131	0.0011	mg/Kg wet	0.0113		116		70-130			
Chlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
Chlorodibromomethane	0.0137	0.00057	mg/Kg wet	0.0113		121		70-130			
Chloroethane	0.0130	0.0023	mg/Kg wet	0.0113		115		70-130			
Chloroform	0.0124	0.0023	mg/Kg wet	0.0113		109		70-130			
Chloromethane	0.0159	0.0023	mg/Kg wet	0.0113		**141**	*	70-130			L-01
2-Chlorotoluene	0.0108	0.0011	mg/Kg wet	0.0113		95.1		70-130			
4-Chlorotoluene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0148	0.0057	mg/Kg wet	0.0113		**131**	*	70-130			L-01
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112		70-130			
Dibromomethane	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130			
1,2-Dichlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115		70-130			
1,3-Dichlorobenzene	0.0127	0.0011	mg/Kg wet	0.0113		112		70-130			
1,4-Dichlorobenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130			
trans-1,4-Dichloro-2-butene	0.0143	0.0023	mg/Kg wet	0.0113		126		70-130			
Dichlorodifluoromethane (Freon 12)	0.0139	0.0023	mg/Kg wet	0.0113		122		70-130			
1,1-Dichloroethane	0.0137	0.0011	mg/Kg wet	0.0113		121		70-130			
1,2-Dichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,1-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
trans-1,2-Dichloroethylene	0.0135	0.0011	mg/Kg wet	0.0113		119	70-130			
1,2-Dichloropropane	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
1,3-Dichloropropane	0.0123	0.00057	mg/Kg wet	0.0113		108	70-130			
2,2-Dichloropropane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1-Dichloropropene	0.0134	0.0023	mg/Kg wet	0.0113		118	70-130			
cis-1,3-Dichloropropene	0.0125	0.00057	mg/Kg wet	0.0113		110	70-130			
trans-1,3-Dichloropropene	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0131	0.0011	mg/Kg wet	0.0113		116	70-130			
2-Hexanone (MBK)	0.141	0.011	mg/Kg wet	0.113		124	70-130			
Isopropylbenzene (Cumene)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0139	0.0011	mg/Kg wet	0.0113		122	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0122	0.0011	mg/Kg wet	0.0113		107	70-130			
Methylene Chloride	0.0125	0.0057	mg/Kg wet	0.0113		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.131	0.011	mg/Kg wet	0.113		115	70-130			
Naphthalene	0.0133	0.0023	mg/Kg wet	0.0113		117	70-130			
n-Propylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1,2-Tetrachloroethane	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
1,1,2,2-Tetrachloroethane	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130			
Tetrachloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Tetrahydrofuran	0.0123	0.011	mg/Kg wet	0.0113		108	70-130			
Toluene	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130			
1,2,3-Trichlorobenzene	0.0128	0.0057	mg/Kg wet	0.0113		113	70-130			
1,2,4-Trichlorobenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1,1-Trichloroethane	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
1,1,2-Trichloroethane	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Trichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Trichlorofluoromethane (Freon 11)	0.0126	0.0023	mg/Kg wet	0.0113		112	70-130			
1,2,3-Trichloropropane	0.0130	0.0023	mg/Kg wet	0.0113		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2,4-Trimethylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130			
1,3,5-Trimethylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Vinyl Chloride	0.0104	0.0023	mg/Kg wet	0.0113		92.2	70-130			
m+p Xylene	0.0253	0.0023	mg/Kg wet	0.0227		112	70-130			
o-Xylene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0318*		mg/Kg wet	0.0283		112	70-130			
Surrogate: Toluene-d8	*0.0288*		mg/Kg wet	0.0283		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0274*		mg/Kg wet	0.0283		96.8	70-130			
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0521*		mg/Kg wet	0.0500		104	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0507*		mg/Kg wet	0.0500		101	70-130			
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Acetone	0.176	0.10	mg/Kg wet	0.200		88.2	70-130			
Acrylonitrile	0.0219	0.0060	mg/Kg wet	0.0200		109	70-130			
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
Bromobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.4	70-130			
Bromodichloromethane	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
Bromomethane	0.0196	0.010	mg/Kg wet	0.0200		97.9	70-130			
2-Butanone (MEK)	0.215	0.040	mg/Kg wet	0.200		108	70-130			
n-Butylbenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
sec-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102	70-130			
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
Chlorobenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.8	70-130			
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0158	0.020	mg/Kg wet	0.0200		79.1	70-130			
Chloroform	0.0185	0.0040	mg/Kg wet	0.0200		92.6	70-130			
Chloromethane	0.0194	0.010	mg/Kg wet	0.0200		97.2	70-130			
2-Chlorotoluene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
4-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dibromoethane (EDB)	0.0207	0.0010	mg/Kg wet	0.0200		103	70-130			
Dibromomethane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,3-Dichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.1	70-130			
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
trans-1,4-Dichloro-2-butene	0.0179	0.0040	mg/Kg wet	0.0200		89.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0227	0.020	mg/Kg wet	0.0200		113	70-130			
1,1-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
1,2-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0198	0.0040	mg/Kg wet	0.0200		98.8	70-130			
cis-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
trans-1,2-Dichloroethylene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
1,2-Dichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,3-Dichloropropane	0.0194	0.0010	mg/Kg wet	0.0200		97.2	70-130			
2,2-Dichloropropane	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,1-Dichloropropene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130			
cis-1,3-Dichloropropene	0.0183	0.0010	mg/Kg wet	0.0200		91.3	70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.4	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Ethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Hexachlorobutadiene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
2-Hexanone (MBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0179	0.0020	mg/Kg wet	0.0200		89.7	70-130			
p-Isopropyltoluene (p-Cymene)	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0184	0.0040	mg/Kg wet	0.0200		92.1	70-130			
Methylene Chloride	0.0221	0.020	mg/Kg wet	0.0200		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0154	0.0040	mg/Kg wet	0.0200		76.8	70-130			
n-Propylbenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.3	70-130			
Styrene	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130			
1,1,1,2-Tetrachloroethane	0.0176	0.0020	mg/Kg wet	0.0200		87.9	70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		79.8	70-130			
Tetrachloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0178	0.010	mg/Kg wet	0.0200		88.9	70-130			V-16
Toluene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
1,2,3-Trichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
1,1,1-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2-Trichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
Trichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130			
Trichlorofluoromethane (Freon 11)	0.0238	0.010	mg/Kg wet	0.0200		119	70-130			
1,2,3-Trichloropropane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
1,2,4-Trimethylbenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130			
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
Vinyl Chloride	0.0175	0.010	mg/Kg wet	0.0200		87.3	70-130			
m+p Xylene	0.0349	0.0040	mg/Kg wet	0.0400		87.2	70-130			
o-Xylene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0528*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0518*		mg/Kg wet	0.0500		104	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*4.54*		mg/Kg wet	6.67		68.2	30-130			
Surrogate: Phenol-d6	*4.69*		mg/Kg wet	6.67		70.4	30-130			
Surrogate: Nitrobenzene-d5	*2.33*		mg/Kg wet	3.33		69.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/Kg wet	3.33		72.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.89*		mg/Kg wet	6.67		88.4	30-130			
Surrogate: p-Terphenyl-d14	*2.93*		mg/Kg wet	3.33		87.8	30-130			
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Acenaphthylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140			
Aniline	0.778	0.34	mg/Kg wet	1.67		46.7	40-140			†
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140			
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Benzo(b)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.5	40-140			
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Benzo(k)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140			
Bis(2-chloroethoxy)methane	1.21	0.34	mg/Kg wet	1.67		72.8	40-140			
Bis(2-chloroethyl)ether	1.05	0.34	mg/Kg wet	1.67		63.2	40-140			
Bis(2-chloroisopropyl)ether	1.17	0.34	mg/Kg wet	1.67		70.2	40-140			
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
4-Bromophenylphenylether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140			
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5	40-140			
Carbazole	1.05	0.17	mg/Kg wet	1.67		62.7	40-140			
4-Chloroaniline	0.694	0.66	mg/Kg wet	1.67		41.7	40-140			†
4-Chloro-3-methylphenol	1.16	0.66	mg/Kg wet	1.67		69.7	30-130			
2-Chloronaphthalene	1.02	0.34	mg/Kg wet	1.67		61.2	40-140			
2-Chlorophenol	1.08	0.34	mg/Kg wet	1.67		64.8	30-130			
4-Chlorophenylphenylether	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140			
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Dibenzofuran	1.09	0.34	mg/Kg wet	1.67		65.4	40-140			
Di-n-butylphthalate	1.14	0.34	mg/Kg wet	1.67		68.3	40-140			
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2	40-140			†
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130			
Diethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.1	40-140			
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130			
Dimethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.2	40-140			
4,6-Dinitro-2-methylphenol	0.926	0.34	mg/Kg wet	1.67		55.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185495 - SW-846 3546											
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17							
2,4-Dinitrophenol	0.597	0.66	mg/Kg wet	1.67		35.8	30-130				
2,4-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		72.9	40-140				
2,6-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		73.0	40-140				
Di-n-octylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140				
Fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Hexachlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		71.1	40-140				
Hexachlorocyclopentadiene	0.940	0.34	mg/Kg wet	1.67		56.4	30-140				
Hexachloroethane	1.02	0.34	mg/Kg wet	1.67		61.0	40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140				
Isophorone	1.21	0.34	mg/Kg wet	1.67		72.6	40-140				
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140				
2-Methylphenol	1.01	0.34	mg/Kg wet	1.67		60.8	30-130				
3/4-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.7	30-130				
Naphthalene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140				
2-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		71.9	40-140				
3-Nitroaniline	0.969	0.34	mg/Kg wet	1.67		58.2	40-140				†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.6	40-140				
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.7	40-140				
2-Nitrophenol	1.08	0.34	mg/Kg wet	1.67		64.6	30-130				
4-Nitrophenol	1.44	0.66	mg/Kg wet	1.67		86.2	10-130				
N-Nitrosodiphenylamine	1.39	0.34	mg/Kg wet	1.67		83.6	40-140				
N-Nitrosodi-n-propylamine	1.13	0.34	mg/Kg wet	1.67		67.9	40-140				
Pentachloronitrobenzene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140			V-16	
Pentachlorophenol	0.930	0.34	mg/Kg wet	1.67		55.8	30-130				
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140				
Phenol	1.14	0.34	mg/Kg wet	1.67		68.4	20-130				
Pyrene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140				
Pyridine	0.669	0.34	mg/Kg wet	1.67		40.2	10-140				†
1,2,4,5-Tetrachlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140				
1,2,4-Trichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.4	40-140				
2,4,5-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.4	30-130				
2,4,6-Trichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130				
Surrogate: 2-Fluorophenol	*4.68*		mg/Kg wet	6.67		70.2	30-130				
Surrogate: Phenol-d6	*4.81*		mg/Kg wet	6.67		72.2	30-130				
Surrogate: Nitrobenzene-d5	*2.43*		mg/Kg wet	3.33		72.9	30-130				
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		72.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.33*		mg/Kg wet	6.67		94.9	30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.4	30-130				
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
Acenaphthene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	2.27	30		
Acenaphthylene	0.938	0.17	mg/Kg wet	1.67		56.3	40-140	3.52	30		
Aniline	0.734	0.34	mg/Kg wet	1.67		44.0	40-140	5.91	50		† ‡
Anthracene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	2.92	30		
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140	4.96	30		
Benzo(a)pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140	5.65	30		
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	5.29	30		
Benzo(g,h,i)perylene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	6.52	30		
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	4.77	30		
Bis(2-chloroethoxy)methane	1.17	0.34	mg/Kg wet	1.67		70.1	40-140	3.81	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Bis(2-chloroethyl)ether	1.07	0.34	mg/Kg wet	1.67		64.3	40-140	1.76	30	
Bis(2-chloroisopropyl)ether	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	4.58	30	
Bis(2-Ethylhexyl)phthalate	1.13	0.34	mg/Kg wet	1.67		67.7	40-140	4.25	30	
4-Bromophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	3.22	30	
Butylbenzylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	6.31	30	
Carbazole	0.997	0.17	mg/Kg wet	1.67		59.8	40-140	4.77	30	
4-Chloroaniline	0.693	0.66	mg/Kg wet	1.67		41.6	40-140	0.240	30	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		66.0	30-130	5.51	30	
2-Chloronaphthalene	0.996	0.34	mg/Kg wet	1.67		59.8	40-140	2.35	30	
2-Chlorophenol	1.03	0.34	mg/Kg wet	1.67		61.6	30-130	5.06	30	
4-Chlorophenylphenylether	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	5.52	30	
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	5.32	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	4.48	30	
Dibenzofuran	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	2.76	30	
Di-n-butylphthalate	1.09	0.34	mg/Kg wet	1.67		65.2	40-140	4.73	30	
3,3-Dichlorobenzidine	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	0.775	30	† ‡
2,4-Dichlorophenol	1.13	0.34	mg/Kg wet	1.67		67.6	30-130	3.78	30	
Diethylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	3.86	30	
2,4-Dimethylphenol	1.07	0.34	mg/Kg wet	1.67		64.2	30-130	4.56	30	
Dimethylphthalate	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	3.26	50	
4,6-Dinitro-2-methylphenol	0.902	0.34	mg/Kg wet	1.67		54.1	30-130	2.70	50	
2,4-Dinitrophenol	0.607	0.66	mg/Kg wet	1.67		36.4	30-130	1.66	50	
2,4-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	3.77	30	
2,6-Dinitrotoluene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140	3.20	30	
Di-n-octylphthalate	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	4.43	30	
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	3.16	30	
Fluorene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.70	30	
Hexachlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.7	40-140	0.986	30	
Hexachlorobutadiene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	1.99	30	
Hexachlorocyclopentadiene	0.928	0.34	mg/Kg wet	1.67		55.7	30-140	1.29	50	
Hexachloroethane	1.01	0.34	mg/Kg wet	1.67		60.7	40-140	0.460	50	
Indeno(1,2,3-cd)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	3.70	50	
Isophorone	1.16	0.34	mg/Kg wet	1.67		69.4	40-140	4.45	30	
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	3.17	30	
2-Methylphenol	0.976	0.34	mg/Kg wet	1.67		58.6	30-130	3.72	30	
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.2	30-130	5.57	30	
Naphthalene	0.977	0.17	mg/Kg wet	1.67		58.6	40-140	4.28	30	
2-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		71.0	40-140	1.26	30	
3-Nitroaniline	0.932	0.34	mg/Kg wet	1.67		55.9	40-140	3.89	30	†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.2	40-140	0.641	30	
Nitrobenzene	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	5.28	30	
2-Nitrophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	0.809	30	
4-Nitrophenol	1.42	0.66	mg/Kg wet	1.67		85.5	10-130	0.769	50	‡
N-Nitrosodiphenylamine	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	5.43	30	
N-Nitrosodi-n-propylamine	1.10	0.34	mg/Kg wet	1.67		65.9	40-140	3.05	30	
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.1	40-140	1.55	30	V-16
Pentachlorophenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130	2.76	50	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	3.26	30	
Phenol	1.08	0.34	mg/Kg wet	1.67		64.6	20-130	5.71	30	
Pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	5.53	30	
Pyridine	0.631	0.34	mg/Kg wet	1.67		37.8	10-140	5.95	50	†
1,2,4,5-Tetrachlorobenzene	1.07	0.34	mg/Kg wet	1.67		64.5	40-140	3.80	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546											
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
1,2,4-Trichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.1		40-140	3.37	30	
2,4,5-Trichlorophenol	1.10	0.34	mg/Kg wet	1.67		66.3		30-130	1.68	30	
2,4,6-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.2		30-130	2.55	50	
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		68.0		30-130			
Surrogate: Phenol-d6	*4.56*		mg/Kg wet	6.67		68.5		30-130			
Surrogate: Nitrobenzene-d5	*2.32*		mg/Kg wet	3.33		69.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.36*		mg/Kg wet	3.33		70.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.14*		mg/Kg wet	6.67		92.0		30-130			
Surrogate: p-Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.6		30-130			
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17							
Acenaphthene	1.16	0.75	mg/Kg dry	1.83	0.285	47.6		40-140			R-06
Acenaphthylene	0.956	0.75	mg/Kg dry	1.83	ND	52.2		40-140			
Aniline	0.533	1.5	mg/Kg dry	1.83	ND	**29.1**	*	40-140			MS-09
Anthracene	1.80	0.75	mg/Kg dry	1.83	0.945	46.9		40-140			R-06
Benzo(a)anthracene	9.37	0.75	mg/Kg dry	1.83	10.3	**-50.2**	*	40-140			MS-09, R-06
Benzo(a)pyrene	7.57	0.75	mg/Kg dry	1.83	8.83	**-68.8**	*	40-140			MS-08, R-06
Benzo(b)fluoranthene	10.6	0.75	mg/Kg dry	1.83	12.7	**-116**	*	40-140			MS-08, R-06
Benzo(g,h,i)perylene	3.79	0.75	mg/Kg dry	1.83	5.30	**-82.4**	*	40-140			MS-09
Benzo(k)fluoranthene	4.50	0.75	mg/Kg dry	1.83	4.86	**-19.7**	*	40-140			MS-08, R-06
Bis(2-chloroethoxy)methane	1.05	1.5	mg/Kg dry	1.83	ND	57.3		40-140			
Bis(2-chloroethyl)ether	0.992	1.5	mg/Kg dry	1.83	ND	54.2		40-140			
Bis(2-chloroisopropyl)ether	1.07	1.5	mg/Kg dry	1.83	ND	58.6		40-140			
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.7		40-140			
4-Bromophenylphenylether	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140			
Butylbenzylphthalate	1.23	1.5	mg/Kg dry	1.83	ND	67.4		40-140			
Carbazole	1.89	0.75	mg/Kg dry	1.83	0.767	61.2		40-140			R-06
4-Chloroaniline	0.741	2.9	mg/Kg dry	1.83	ND	40.5		40-140			
4-Chloro-3-methylphenol	1.06	2.9	mg/Kg dry	1.83	ND	58.1		30-130			
2-Chloronaphthalene	0.944	1.5	mg/Kg dry	1.83	ND	51.6		40-140			
2-Chlorophenol	0.972	1.5	mg/Kg dry	1.83	ND	53.1		30-130			
4-Chlorophenylphenylether	1.02	1.5	mg/Kg dry	1.83	ND	55.8		40-140			
Chrysene	10.2	0.75	mg/Kg dry	1.83	10.9	**-41.0**	*	40-140			MS-09, R-06
Dibenz(a,h)anthracene	1.51	0.75	mg/Kg dry	1.83	1.38	**7.28**	*	40-140			MS-09
Dibenzofuran	1.13	1.5	mg/Kg dry	1.83	ND	61.8		40-140			
Di-n-butylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.2		40-140			
3,3-Dichlorobenzidine	0.899	0.75	mg/Kg dry	1.83	ND	49.1		40-140			
2,4-Dichlorophenol	0.986	1.5	mg/Kg dry	1.83	ND	53.9		30-130			
Diethylphthalate	1.04	1.5	mg/Kg dry	1.83	ND	56.7		40-140			
2,4-Dimethylphenol	0.869	1.5	mg/Kg dry	1.83	ND	47.5		30-130			
Dimethylphthalate	1.02	1.5	mg/Kg dry	1.83	ND	55.9		40-140			
4,6-Dinitro-2-methylphenol	0.752	1.5	mg/Kg dry	1.83	ND	41.1		30-130			
2,4-Dinitrophenol	0.844	2.9	mg/Kg dry	1.83	ND	46.2		30-130			
2,4-Dinitrotoluene	0.885	1.5	mg/Kg dry	1.83	ND	48.4		40-140			
2,6-Dinitrotoluene	0.932	1.5	mg/Kg dry	1.83	ND	51.0		40-140			
Di-n-octylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.4		40-140			
Fluoranthene	21.7	0.75	mg/Kg dry	1.83	24.1	**-132**	*	40-140			MS-09, R-06
Fluorene	1.14	0.75	mg/Kg dry	1.83	ND	62.5		40-140			
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140			
Hexachlorobutadiene	1.09	1.5	mg/Kg dry	1.83	ND	59.8		40-140			
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140			MS-09
Hexachloroethane	0.719	1.5	mg/Kg dry	1.83	ND	**39.3**	*	40-140			MS-09

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Indeno(1,2,3-cd)pyrene	4.23	0.75	mg/Kg dry	1.83	5.57	**-73.0**	*	40-140				MS-09, R-06
Isophorone	1.07	1.5	mg/Kg dry	1.83	ND	58.7		40-140				
2-Methylnaphthalene	1.06	0.75	mg/Kg dry	1.83	ND	57.8		40-140				
2-Methylphenol	0.880	1.5	mg/Kg dry	1.83	ND	48.1		30-130				
3/4-Methylphenol	0.967	1.5	mg/Kg dry	1.83	ND	52.9		30-130				
Naphthalene	1.01	0.75	mg/Kg dry	1.83	ND	55.3		40-140				
2-Nitroaniline	1.19	1.5	mg/Kg dry	1.83	ND	65.0		40-140				
3-Nitroaniline	1.06	1.5	mg/Kg dry	1.83	ND	57.8		40-140				
4-Nitroaniline	1.10	1.5	mg/Kg dry	1.83	ND	59.9		40-140				
Nitrobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.5		40-140				
2-Nitrophenol	0.722	1.5	mg/Kg dry	1.83	ND	39.4		30-130				
4-Nitrophenol	1.23	2.9	mg/Kg dry	1.83	ND	67.1		30-130				
N-Nitrosodiphenylamine	1.23	1.5	mg/Kg dry	1.83	ND	67.0		40-140				
N-Nitrosodi-n-propylamine	1.05	1.5	mg/Kg dry	1.83	ND	57.1		40-140				
Pentachloronitrobenzene	0.998	1.5	mg/Kg dry	1.83	ND	54.6		40-140				V-16
Pentachlorophenol	0.574	1.5	mg/Kg dry	1.83	ND	31.4		30-130				
Phenanthrene	8.64	0.75	mg/Kg dry	1.83	6.77	102		40-140				R-06
Phenol	0.985	1.5	mg/Kg dry	1.83	ND	53.8		30-130				
Pyrene	22.2	0.75	mg/Kg dry	1.83	21.8	**23.4**	*	40-140				MS-09, R-06
Pyridine	0.553	1.5	mg/Kg dry	1.83	ND	**30.2**	*	40-140				MS-09
1,2,4,5-Tetrachlorobenzene	0.913	1.5	mg/Kg dry	1.83	ND	49.9		40-140				
1,2,4-Trichlorobenzene	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140				
2,4,5-Trichlorophenol	0.957	1.5	mg/Kg dry	1.83	ND	52.3		30-130				
2,4,6-Trichlorophenol	0.997	1.5	mg/Kg dry	1.83	ND	54.5		30-130				
Surrogate: 2-Fluorophenol	*3.86*		mg/Kg dry	7.32		52.8		30-130				
Surrogate: Phenol-d6	*3.98*		mg/Kg dry	7.32		54.4		30-130				
Surrogate: Nitrobenzene-d5	*2.18*		mg/Kg dry	3.66		59.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.00*		mg/Kg dry	3.66		54.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.66*		mg/Kg dry	7.32		63.6		30-130				
Surrogate: p-Terphenyl-d14	*2.64*		mg/Kg dry	3.66		72.1		30-130				
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Acenaphthene	1.76	0.75	mg/Kg dry	1.83	0.285	80.7		40-140	**41.5**	*	30	R-06
Acenaphthylene	0.981	0.75	mg/Kg dry	1.83	ND	53.6		40-140	2.57		30	
Aniline	0.534	1.5	mg/Kg dry	1.83	ND	**29.2**	*	40-140	0.274		30	MS-09
Anthracene	3.23	0.75	mg/Kg dry	1.83	0.945	125		40-140	**56.6**	*	30	R-06
Benzo(a)anthracene	14.2	0.75	mg/Kg dry	1.83	10.3	**212**	*	40-140	**40.7**	*	30	MS-09, R-06
Benzo(a)pyrene	10.7	0.75	mg/Kg dry	1.83	8.83	104		40-140	**34.6**	*	30	R-06
Benzo(b)fluoranthene	15.0	0.75	mg/Kg dry	1.83	12.7	122		40-140	**34.2**	*	30	R-06
Benzo(g,h,i)perylene	5.02	0.75	mg/Kg dry	1.83	5.30	**-15.4**	*	40-140	27.8		30	MS-09
Benzo(k)fluoranthene	6.29	0.75	mg/Kg dry	1.83	4.86	77.8		40-140	**33.1**	*	30	R-06
Bis(2-chloroethoxy)methane	1.08	1.5	mg/Kg dry	1.83	ND	59.3		40-140	3.43		30	
Bis(2-chloroethyl)ether	1.02	1.5	mg/Kg dry	1.83	ND	55.7		40-140	2.62		30	
Bis(2-chloroisopropyl)ether	1.06	1.5	mg/Kg dry	1.83	ND	58.0		40-140	0.961		30	
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.6		40-140	0.0913		30	
4-Bromophenylphenylether	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	5.52		30	
Butylbenzylphthalate	1.26	1.5	mg/Kg dry	1.83	ND	68.8		40-140	2.12		30	
Carbazole	2.85	0.75	mg/Kg dry	1.83	0.767	114		40-140	**40.8**	*	30	R-06
4-Chloroaniline	0.751	2.9	mg/Kg dry	1.83	ND	41.0		40-140	1.37		30	
4-Chloro-3-methylphenol	1.05	2.9	mg/Kg dry	1.83	ND	57.4		30-130	1.25		30	
2-Chloronaphthalene	0.926	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.88		30	
2-Chlorophenol	0.924	1.5	mg/Kg dry	1.83	ND	50.5		30-130	5.10		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
4-Chlorophenylphenylether	0.975	1.5	mg/Kg dry	1.83	ND	53.3		40-140	4.69		30	
Chrysene	15.1	0.75	mg/Kg dry	1.83	10.9	**229**	*	40-140	**39.0**	*	30	MS-09, R-06
Dibenz(a,h)anthracene	1.87	0.75	mg/Kg dry	1.83	1.38	**26.6**	*	40-140	21.0		30	MS-09
Dibenzofuran	1.45	1.5	mg/Kg dry	1.83	ND	79.1		40-140	24.6		30	
Di-n-butylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.3		40-140	3.35		30	
3,3-Dichlorobenzidine	0.821	0.75	mg/Kg dry	1.83	ND	44.9		40-140	9.02		30	
2,4-Dichlorophenol	1.03	1.5	mg/Kg dry	1.83	ND	56.2		30-130	4.07		30	
Diethylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.1		40-140	1.13		30	
2,4-Dimethylphenol	0.844	1.5	mg/Kg dry	1.83	ND	46.2		30-130	2.90		30	
Dimethylphthalate	1.01	1.5	mg/Kg dry	1.83	ND	55.4		40-140	1.01		30	
4,6-Dinitro-2-methylphenol	0.749	1.5	mg/Kg dry	1.83	ND	41.0		30-130			30	
2,4-Dinitrophenol	0.840	2.9	mg/Kg dry	1.83	ND	45.9		30-130			30	
2,4-Dinitrotoluene	0.881	1.5	mg/Kg dry	1.83	ND	48.2		40-140	0.497		30	
2,6-Dinitrotoluene	0.921	1.5	mg/Kg dry	1.83	ND	50.3		40-140	1.26		30	
Di-n-octylphthalate	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140	0.549		30	
Fluoranthene	39.0	0.75	mg/Kg dry	1.83	24.1	**810**	*	40-140	**56.8**	*	30	MS-09, R-06
Fluorene	1.53	0.75	mg/Kg dry	1.83	ND	83.7		40-140	29.0		30	
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.6		40-140	0.269		30	
Hexachlorobutadiene	1.03	1.5	mg/Kg dry	1.83	ND	56.6		40-140	5.64		30	
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140	NC		30	MS-09
Hexachloroethane	0.686	1.5	mg/Kg dry	1.83	ND	**37.5**	*	40-140	4.58		30	MS-09
Indeno(1,2,3-cd)pyrene	5.80	0.75	mg/Kg dry	1.83	5.57	**12.8**	*	40-140	**31.3**	*	30	MS-09, R-06
Isophorone	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140	1.08		30	
2-Methylnaphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.4		40-140	1.10		30	
2-Methylphenol	0.846	1.5	mg/Kg dry	1.83	ND	46.2		30-130	3.90		30	
3/4-Methylphenol	0.943	1.5	mg/Kg dry	1.83	ND	51.5		30-130	2.61		30	
Naphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.6		40-140	5.90		30	
2-Nitroaniline	1.16	1.5	mg/Kg dry	1.83	ND	63.3		40-140	2.74		30	
3-Nitroaniline	1.03	1.5	mg/Kg dry	1.83	ND	56.4		40-140	2.52		30	
4-Nitroaniline	1.15	1.5	mg/Kg dry	1.83	ND	62.8		40-140	4.69		30	
Nitrobenzene	1.14	1.5	mg/Kg dry	1.83	ND	62.2		40-140	4.34		30	
2-Nitrophenol	0.667	1.5	mg/Kg dry	1.83	ND	36.5		30-130	7.80		30	
4-Nitrophenol	1.24	2.9	mg/Kg dry	1.83	ND	67.8		30-130	0.949		30	
N-Nitrosodiphenylamine	1.16	1.5	mg/Kg dry	1.83	ND	63.4		40-140	5.64		30	
N-Nitrosodi-n-propylamine	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140	1.55		30	
Pentachloronitrobenzene	0.935	1.5	mg/Kg dry	1.83	ND	51.1		40-140	6.51		30	V-16
Pentachlorophenol	0.542	1.5	mg/Kg dry	1.83	ND	**29.6**	*	30-130	5.77		30	MS-08
Phenanthrene	20.0	0.75	mg/Kg dry	1.83	6.77	**721**	*	40-140	**79.2**	*	30	MS-08, R-06
Phenol	0.922	1.5	mg/Kg dry	1.83	ND	50.4		30-130	6.60		30	
Pyrene	37.9	0.75	mg/Kg dry	1.83	21.8	**879**	*	40-140	**52.2**	*	30	MS-09, R-06
Pyridine	0.634	1.5	mg/Kg dry	1.83	ND	**34.6**	*	40-140	13.6		30	MS-09
1,2,4,5-Tetrachlorobenzene	0.925	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.27		30	
1,2,4-Trichlorobenzene	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	2.30		30	
2,4,5-Trichlorophenol	0.907	1.5	mg/Kg dry	1.83	ND	49.6		30-130	5.34		30	
2,4,6-Trichlorophenol	0.899	1.5	mg/Kg dry	1.83	ND	49.1		30-130	10.3		30	
Surrogate: 2-Fluorophenol	*3.82*		mg/Kg dry	7.32		52.2		30-130				
Surrogate: Phenol-d6	*4.00*		mg/Kg dry	7.32		54.6		30-130				
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg dry	3.66		60.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.07*		mg/Kg dry	3.66		56.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.67*		mg/Kg dry	7.32		63.8		30-130				
Surrogate: p-Terphenyl-d14	*2.67*		mg/Kg dry	3.66		73.1		30-130				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C										
Blank (B185576-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		105	30-150			
LCS (B185576-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.1	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140			
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS Dup (B185576-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	6.46	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.67	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	9.91	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.5	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg wet	0.200		98.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C											
Matrix Spike (B185576-MS1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.32	0.46	mg/Kg dry	0.228	ND	139		40-140			
Aroclor-1016 [2C]	0.32	0.46	mg/Kg dry	0.228	ND	140		40-140			
Aroclor-1260	1.8	0.46	mg/Kg dry	0.228	1.7	46.8		40-140			MS-19
Aroclor-1260 [2C]	1.8	0.46	mg/Kg dry	0.228	1.7	41.5		40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg dry	0.228		80.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg dry	0.228		92.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.210*		mg/Kg dry	0.228		92.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.232*		mg/Kg dry	0.228		102		30-150			
Matrix Spike Dup (B185576-MSD1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.27	0.45	mg/Kg dry	0.226	ND	118		40-140	17.6	50	
Aroclor-1016 [2C]	0.30	0.45	mg/Kg dry	0.226	ND	132		40-140	6.89	50	
Aroclor-1260	1.4	0.45	mg/Kg dry	0.226	1.7	**-158**	*	40-140	28.9	50	MS-19
Aroclor-1260 [2C]	1.4	0.45	mg/Kg dry	0.226	1.7	**-154**	*	40-140	28.0	50	MS-19
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg dry	0.226		79.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg dry	0.226		98.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.226		86.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.226		96.0		30-150			
Batch B185577 - SW-846 3540C											
Blank (B185577-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17							
Aroclor-1016	ND	0.10	mg/Kg								
Aroclor-1016 [2C]	ND	0.10	mg/Kg								
Aroclor-1221	ND	0.10	mg/Kg								
Aroclor-1221 [2C]	ND	0.10	mg/Kg								
Aroclor-1232	ND	0.10	mg/Kg								
Aroclor-1232 [2C]	ND	0.10	mg/Kg								
Aroclor-1242	ND	0.10	mg/Kg								
Aroclor-1242 [2C]	ND	0.10	mg/Kg								
Aroclor-1248	ND	0.10	mg/Kg								
Aroclor-1248 [2C]	ND	0.10	mg/Kg								
Aroclor-1254	ND	0.10	mg/Kg								
Aroclor-1254 [2C]	ND	0.10	mg/Kg								
Aroclor-1260	ND	0.10	mg/Kg								
Aroclor-1260 [2C]	ND	0.10	mg/Kg								
Aroclor-1262	ND	0.10	mg/Kg								
Aroclor-1262 [2C]	ND	0.10	mg/Kg								
Aroclor-1268	ND	0.10	mg/Kg								
Aroclor-1268 [2C]	ND	0.10	mg/Kg								
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.12*		mg/Kg	1.00		112		30-150			
Surrogate: Tetrachloro-m-xylene	*0.888*		mg/Kg	1.00		88.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.941*		mg/Kg	1.00		94.1		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185577 - SW-846 3540C										
LCS (B185577-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.97	0.10	mg/Kg	1.00		96.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		104	40-140			
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		99.8	40-140			
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.22*		mg/Kg	1.00		122	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101	30-150			
LCS Dup (B185577-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		92.4	40-140	4.34	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		102	40-140	1.96	30	
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.7	40-140	1.61	30	
Aroclor-1260 [2C]	0.99	0.10	mg/Kg	1.00		98.8	40-140	1.02	30	
Surrogate: Decachlorobiphenyl	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.20*		mg/Kg	1.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185490 - SW-846 3546										
Blank (B185490-BLK1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.2	50-150			
LCS (B185490-BS1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.1	10	mg/Kg wet	33.3		69.3	60-120			
Surrogate: o-Terphenyl	*3.34*		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185490-BSD1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.0	10	mg/Kg wet	33.3		69.1	60-120	0.254	30	
Surrogate: o-Terphenyl	*3.11*		mg/Kg wet	3.33		93.2	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185230 - SW-846 7471										
Blank (B185230-BLK1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185230-BS1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	9.79	2.0	mg/Kg wet	9.36		105	73.7-126.3			
LCS Dup (B185230-BSD1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	11.2	1.9	mg/Kg wet	9.36		119	73.7-126.3	13.2	30	
Duplicate (B185230-DUP1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.123	0.028	mg/Kg dry		0.119			3.15	35	
Matrix Spike (B185230-MS1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.312	0.028	mg/Kg dry	0.186	0.119	104	75-125			
Batch B185527 - SW-846 3050B										
Blank (B185527-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185527-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.8	4.8	mg/Kg wet	146		44.4	0-210.3			
Arsenic	144	4.8	mg/Kg wet	157		91.7	77.8-122.1			
Barium	312	4.8	mg/Kg wet	339		92.1	82-117.4			
Beryllium	54.0	0.48	mg/Kg wet	58.3		92.7	82.3-117.7			
Cadmium	193	0.48	mg/Kg wet	216		89.3	81.9-118.2			
Chromium	82.1	0.96	mg/Kg wet	88.9		92.3	78.7-120.6			
Copper	173	0.96	mg/Kg wet	184		94.2	80.4-119.6			
Lead	87.7	1.4	mg/Kg wet	94.3		93.0	82.4-117.8			
Nickel	143	0.96	mg/Kg wet	154		92.8	82.2-117.8			
Selenium	184	9.6	mg/Kg wet	207		89.1	77.1-122.3			
Silver	40.7	0.96	mg/Kg wet	43.8		92.9	74.3-125.4			
Thallium	144	4.8	mg/Kg wet	167		86.3	78.2-121.6			
Vanadium	82.7	1.9	mg/Kg wet	100		82.7	64.8-135.2			
Zinc	201	1.9	mg/Kg wet	209		96.0	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185527 - SW-846 3050B										
LCS Dup (B185527-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.4	5.0	mg/Kg wet	146		44.1	0-210.3	0.641	30	
Arsenic	139	5.0	mg/Kg wet	157		88.5	77.8-122.1	3.60	30	
Barium	304	5.0	mg/Kg wet	339		89.5	82-117.4	2.82	30	
Beryllium	53.2	0.50	mg/Kg wet	58.3		91.2	82.3-117.7	1.63	30	
Cadmium	189	0.50	mg/Kg wet	216		87.7	81.9-118.2	1.76	30	
Chromium	79.5	1.0	mg/Kg wet	88.9		89.5	78.7-120.6	3.14	30	
Copper	170	1.0	mg/Kg wet	184		92.6	80.4-119.6	1.71	30	
Lead	87.2	1.5	mg/Kg wet	94.3		92.4	82.4-117.8	0.599	30	
Nickel	139	1.0	mg/Kg wet	154		90.3	82.2-117.8	2.69	30	
Selenium	177	10	mg/Kg wet	207		85.3	77.1-122.3	4.30	30	
Silver	40.0	1.0	mg/Kg wet	43.8		91.4	74.3-125.4	1.69	30	
Thallium	141	5.0	mg/Kg wet	167		84.6	78.2-121.6	1.99	30	
Vanadium	81.7	2.0	mg/Kg wet	100		81.7	64.8-135.2	1.26	30	
Zinc	196	2.0	mg/Kg wet	209		93.8	79.7-120.8	2.31	30	
MRL Check (B185527-MRL1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Lead	0.901	0.75	mg/Kg wet	0.750		120	80-120			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185325 - % Solids										
Duplicate (B185325-DUP3)		**Source: 17H1544-01**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	85.1		% Wt		87.8			3.12	20	
Duplicate (B185325-DUP4)		**Source: 17H1544-02**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	59.0		% Wt		60.2			2.01	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-26

Lab Sample ID: 17H1544-01

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-27

Lab Sample ID: 17H1544-02

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	4.9	2.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-28

Lab Sample ID: 17H1544-03

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.26	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-29

Lab Sample ID: 17H1544-04

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.40	0.0
Aroclor-1268	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.13	26.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-30

Lab Sample ID: 17H1544-05

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.46	
	2	0.000	-0.030	0.030	0.43	6.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-31

Lab Sample ID: 17H1544-06

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.8	
	2	0.000	-0.030	0.030	9.2	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SE-6

Lab Sample ID: 17H1544-07

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	7.5	
	2	0.000	-0.030	0.030	7.1	5.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-16

Lab Sample ID: 17H1544-08

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2300	
	2	0.000	-0.030	0.030	2100	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-17

Lab Sample ID: 17H1544-09

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	13	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AS-AOC8-SE-18

Lab Sample ID: 17H1544-10

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-19

Lab Sample ID: 17H1544-11

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.4	6.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-24

Lab Sample ID: 17H1544-12

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.32	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-26

Lab Sample ID: 17H1544-13

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	1.1	13.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-27

Lab Sample ID: 17H1544-14

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.93	9.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-29

Lab Sample ID: 17H1544-15

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-16

Lab Sample ID: 17H1544-16

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1700	
	2	0.000	0.000	0.000	1800	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-17

Lab Sample ID: 17H1544-17

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.7	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-18

Lab Sample ID: 17H1544-18

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-19

Lab Sample ID: 17H1544-19

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.79	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-Dup1

Lab Sample ID: 17H1544-20 Date(s) Analyzed: 09/10/2017 09/10/2017

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

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

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

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
MS-08	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH

con-test® ANALYTICAL LABORATORY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
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

17H1544

con-test ANALYTICAL LABORATORY

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	RSR 15 Metals	SVOCs	VOCs
1	WS-AOC13-SE-26	8/29/17	0900		X	S	U	X	X	X	X	X
2	WS-AOC13-SE-27		0930					X	X	X	X	X
3	WS-AOC13-SE-28		0945					X	X	X	X	X
4	WS-AOC13-SE-29		1000					X	X	X	X	X
5	WS-AOC13-SE-30		1015					X	X	X	X	X
6	WS-AOC13-SE-31		1030					X	X	X	X	X
7	WS-AOC3-SE-6		1045					X	X	X	X	X
8	WS-AOC8-SE-16		1200					X	X	X	X	X
9	WS-AOC8-SE-17		1215					X	X	X	X	X
10	WS-AOC8-SE-18		1230					X	X	X	X	X

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1720
Relinquished by: (signature)	Date/Time: 8/29/17 530
Received by: (signature) 2-4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information 8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

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17H1544

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Email: info@contestlabs.com

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	RCRA 15 metals	SVOCs	VOCs						# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC8-SE-19	8/29/17	1245		X	S	U	X	X	X	X	X								
12	WS-AOC8-SE-24		1300		X	S	U	X	X	X	X	X								
13	WS-AOC13-Co-26		910			O		X												
14	WS-AOC13-Co-27		940					X												
15	WS-AOC13-Co-29		1005					X												
16	WS-AOC8-Co-16		1205					X												
17	WS-AOC8-Co-17		1220					X												
18	WS-AOC8-Co-18		1235					X												
19	WS-AOC8-Co-19		1250					X												
20	WS-AOC13-SE-Dup1		—			S		X	X	X	X	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1421
Relinquished by: (signature)	Date/Time: 8/29/17 5:24
Received by: (signature) 2.4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

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East Longmeadow, MA. 01028
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F: 413-525-6405
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Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 8/29/17 Time 1730

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct from Sampling ___ Ambient ___ Melted Ice ___

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.4
By Blank # ___ Actual Temp - ___

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	26
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	7
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	26	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/29/17 1730	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

D:\HPCHEM\1\DATA\A090817\A0908004.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908004.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	541174	590138	-8
c - 10	1.64	549205	590138	-7
c - 12	2.37	570790	590138	-3
c - 14	3.04	588545	590138	0
c - 16	3.65	606275	590138	3
c - 18	4.29	603163	590138	2
o-Terphenyl	4.57	671009	590138	
c - 20	4.89	614278	590138	4
c - 22	5.40	628020	590138	6
c - 24	5.83	588777	590138	0
c - 26	6.23	620968	590138	5
c - 28	6.59	612017	590138	4
c - 30	6.92	601286	590138	2
c - 32	7.24	579458	590138	-2
c - 34	7.53	575320	590138	-3
c - 36	7.87	572788	590138	-3

* One compound allowed %D <= 50%

Samples

17H1660-05@10X
17H1544-02@10X

D:\HPCHEM\1\DATA\A090717.SEC\A0907051.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/7/17
Data File Name	A0907051.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	492390	513022	-4
c - 10	1.62	497817	513022	-3
c - 12	2.34	511550	513022	0
c - 14	3.01	521030	513022	2
c - 16	3.61	531350	513022	4
c - 18	4.23	523098	513022	2
o-Terphenyl	4.51	581697	513022	
c - 20	4.83	527200	513022	3
c - 22	5.34	533805	513022	4
c - 24	5.77	500511	513022	-2
c - 26	6.17	522595	513022	2
c - 28	6.52	515407	513022	0
c - 30	6.86	512082	513022	0
c - 32	7.17	498488	513022	-3
c - 34	7.46	502952	513022	-2
c - 36	7.77	505050	513022	-2

* One compound allowed %D <= 50%

Samples

17H1544-01@20X
17H1544-03@50X
17H1544-04@50X
17H1544-05@50X
17H1544-06@50X
17H1544-07@50X
17H1544-08@50X
17H1544-09@50X
17H1544-10@50X
17H1544-12@50X
17H1544-20@20X

D:\HPCHEM\1\DATA\A090717.SEC\A0907107.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0907107.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	633604	668690	-5
c - 10	1.63	642603	668690	-4
c - 12	2.35	661457	668690	-1
c - 14	3.01	675114	668690	1
c - 16	3.61	691044	668690	3
c - 18	4.23	682814	668690	2
o-Terphenyl	4.51	760564	668690	
c - 20	4.83	689419	668690	3
c - 22	5.34	698070	668690	4
c - 24	5.77	652285	668690	-2
c - 26	6.17	681611	668690	2
c - 28	6.52	673200	668690	1
c - 30	6.86	670545	668690	0
c - 32	7.16	656318	668690	-2
c - 34	7.46	660463	668690	-1
c - 36	7.77	661808	668690	-1

* One compound allowed %D <= 50%

Samples

17H1579-01RE1
17H1544-11
17H1621-18@20X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H1544

Laboratory Sample ID(s):

17H1544-01 thru 17H1544-20

Sample Date(s):

08/29/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

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

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

Printed Name: **Lisa A. Worthington** **Date:** **09/12/17**

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

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

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

September 12, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1544

Enclosed are results of analyses for samples received by the laboratory on August 29, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC13-SE-26	17H1544-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-27	17H1544-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-28	17H1544-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-29	17H1544-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-30	17H1544-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC13-SE-31	17H1544-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SE-6	17H1544-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-16	17H1544-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-17	17H1544-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
AS-AOC8-SE-18	17H1544-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC8-SE-19	17H1544-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-24	17H1544-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-CO-26	17H1544-13	Product/Solid		SW-846 8082A	
WS-AOC13-CO-27	17H1544-14	Product/Solid		SW-846 8082A	
WS-AOC13-CO-29	17H1544-15	Product/Solid		SW-846 8082A	
WS-AOC8-CO-16	17H1544-16	Product/Solid		SW-846 8082A	
WS-AOC8-CO-17	17H1544-17	Product/Solid		SW-846 8082A	
WS-AOC8-CO-18	17H1544-18	Product/Solid		SW-846 8082A	
WS-AOC8-CO-19	17H1544-19	Product/Solid		SW-846 8082A	
WS-AOC13-SE-Dup1	17H1544-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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CASE NARRATIVE SUMMARY

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

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CTDEP ETPH

Qualifications:

S-01

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

Analyte & Samples(s) Qualified:

o-Terphenyl

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 6010C-D

Qualifications:

DL-04

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

Analyte & Samples(s) Qualified:

Silver

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 8082A

Qualifications:

MS-19

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

Analyte & Samples(s) Qualified:

Aroclor-1260

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

Aroclor-1260 [2C]

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

S-01

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

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Decachlorobiphenyl [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB

B185016-BS1

Chloromethane

B185016-BS1

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V-16

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

Analyte & Samples(s) Qualified:

Tetrahydrofuran
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1], B185200-BLK1, B185200-BS1

SW-846 8270D

Qualifications:

E

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

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Anthracene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)anthracene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(b)fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(g,h,i)perylene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(k)fluoranthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Carbazole
17H1544-11[WS-AOC8-SE-19]

Chrysene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Dibenz(a,h)anthracene
17H1544-11[WS-AOC8-SE-19]

Fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

Fluorene
17H1544-11[WS-AOC8-SE-19]

Indeno(1,2,3-cd)pyrene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Phenanthrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

MS-08

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

Analyte & Samples(s) Qualified:

Benzo(a)pyrene
B185495-MS1

Benzo(b)fluoranthene
B185495-MS1

Benzo(k)fluoranthene
B185495-MS1

Pentachlorophenol
B185495-MSD1

Phenanthrene
B185495-MSD1

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MS-09

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

Analyte & Samples(s) Qualified:

Aniline
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(g,h,i)perylene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Dibenz(a,h)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachlorocyclopentadiene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachloroethane
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyridine
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(b)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(k)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Carbazole
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Phenanthrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

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S-01

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

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorobiphenyl
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Nitrobenzene-d5
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Phenol-d6
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

p-Terphenyl-d14
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

V-05

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24]

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1], B185495-BLK1, B185495-BS1, B185495-BSD1, B185495-MS1, B185495-MSD1

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

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

SW-846 8270D

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

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

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

Lisa A. Worthington
Project Manager

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Acrylonitrile	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromomethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Disulfide	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorodibromomethane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloromethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromoethane (EDB)	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichloropropane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrahydrofuran	ND	0.0087	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Vinyl Chloride	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 7:26
Toluene-d8	104	70-130		8/30/17 7:26
4-Bromofluorobenzene	99.5	70-130		8/30/17 7:26

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)pyrene	0.50	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(b)fluoranthene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(g,h,i)perylene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(k)fluoranthene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Chrysene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluoranthene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Indeno(1,2,3-cd)pyrene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.4	30-130		9/6/17 20:28
Phenol-d6	62.3	30-130		9/6/17 20:28
Nitrobenzene-d5	64.9	30-130		9/6/17 20:28
2-Fluorobiphenyl	64.5	30-130		9/6/17 20:28
2,4,6-Tribromophenol	73.9	30-130		9/6/17 20:28
p-Terphenyl-d14	71.8	30-130		9/6/17 20:28

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1260 [1]	1.7	0.46	mg/Kg dry	20	MS-19	SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/9/17 23:03
Decachlorobiphenyl [2]	113	30-150		9/9/17 23:03
Tetrachloro-m-xylene [1]	93.7	30-150		9/9/17 23:03
Tetrachloro-m-xylene [2]	104	30-150		9/9/17 23:03

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	900	230	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 18:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:21

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	16	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Arsenic	26	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Barium	66	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Cadmium	1.9	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Chromium	74	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Copper	360	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Lead	190	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:08	TJK
Nickel	110	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:03	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:08	QNW
Vanadium	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Zinc	310	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Acrylonitrile	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Benzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromodichloromethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromoform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromomethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Butanone (MEK)	ND	0.061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
sec-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
tert-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Disulfide	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Tetrachloride	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorodibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroethane	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroform	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloromethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dibromomethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,4-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Ethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Hexachlorobutadiene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Hexanone (MBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Isopropylbenzene (Cumene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Methylene Chloride	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Naphthalene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Propylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Styrene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrachloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrahydrofuran	ND	0.015	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Toluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3,5-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Vinyl Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
m+p Xylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
o-Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		8/30/17 7:55
Toluene-d8	103	70-130		8/30/17 7:55
4-Bromofluorobenzene	101	70-130		8/30/17 7:55

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Acenaphthylene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Aniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)anthracene	2.0	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)pyrene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(b)fluoranthene	3.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(g,h,i)perylene	1.7	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(k)fluoranthene	1.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethoxy)methane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Bromophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Butylbenzylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Carbazole	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloroaniline	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chloronaphthalene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chlorophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Chrysene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenz(a,h)anthracene	0.44	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenzofuran	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-butylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3,3-Dichlorobenzidine	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Diethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dimethylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dimethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4,6-Dinitro-2-methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,6-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-octylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluoranthene	3.6	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluorene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobutadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorocyclopentadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachloroethane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Isophorone	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3/4-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Naphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Nitrobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitrophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodiphenylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodi-n-propylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachloronitrobenzene	ND	0.56	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenanthrene	0.93	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyrene	3.5	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyridine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4-Trichlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,5-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,6-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.2	30-130		9/6/17 20:52
Phenol-d6	52.6	30-130		9/6/17 20:52
Nitrobenzene-d5	58.0	30-130		9/6/17 20:52
2-Fluorobiphenyl	57.9	30-130		9/6/17 20:52
2,4,6-Tribromophenol	65.0	30-130		9/6/17 20:52
p-Terphenyl-d14	66.7	30-130		9/6/17 20:52

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1260 [1]	5.0	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 23:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 23:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	170	mg/Kg dry	10		CTDEP ETPH	9/5/17	9/8/17 16:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.1	50-150		9/8/17 16:29

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	6.2	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Arsenic	15	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Barium	180	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Beryllium	ND	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Cadmium	3.7	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Chromium	47	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Copper	650	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Lead	310	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Mercury	0.83	0.084	mg/Kg dry	2		SW-846 7471B	8/30/17	9/6/17 13:14	TJK
Nickel	160	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Selenium	37	8.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Silver	ND	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Thallium	ND	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Vanadium	450	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Zinc	1000	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 8:23
Toluene-d8	104	70-130		8/30/17 8:23
4-Bromofluorobenzene	98.3	70-130		8/30/17 8:23

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.1	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Acenaphthylene	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthylene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Aniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Aniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Anthracene	4.8	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Anthracene	5.5	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)anthracene	21	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)anthracene	23	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)pyrene	15	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)pyrene	16	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(b)fluoranthene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(b)fluoranthene	24	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(g,h,i)perylene	7.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(g,h,i)perylene	7.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(k)fluoranthene	8.4	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(k)fluoranthene	9.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethoxy)methane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroisopropyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Bromophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Butylbenzylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Carbazole	5.6	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Carbazole	6.2	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloroaniline	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloro-3-methylphenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chloronaphthalene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chloronaphthalene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chlorophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chlorophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Chrysene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Chrysene	25	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	2.0	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenz(a,h)anthracene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dibenzofuran	1.6	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenzofuran	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-butylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-butylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3,3-Dichlorobenzidine	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Diethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Diethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dimethylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dimethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4,6-Dinitro-2-methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4,6-Dinitro-2-methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,6-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-octylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluoranthene	67	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluoranthene	71	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluorene	1.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluorene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobutadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobutadiene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorocyclopentadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorocyclopentadiene	ND	7.5	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachloroethane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachloroethane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Indeno(1,2,3-cd)pyrene	8.7	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Indeno(1,2,3-cd)pyrene	8.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Isophorone	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Isophorone	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Methylnaphthalene	0.41	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylnaphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3/4-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3/4-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Naphthalene	1.2	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Naphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Nitrobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Nitrobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitrophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitrophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodiphenylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodiphenylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodi-n-propylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodi-n-propylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachloronitrobenzene	ND	0.75	mg/Kg dry	2	V-16	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachloronitrobenzene	ND	7.5	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenanthrene	45	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenanthrene	46	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyrene	61	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyrene	56	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyridine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyridine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4-Trichlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,5-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,6-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.5	30-130		9/6/17 21:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		68.1	30-130					9/7/17 13:45	
Phenol-d6		57.6	30-130					9/6/17 21:16	
Phenol-d6		66.6	30-130					9/7/17 13:45	
Nitrobenzene-d5		64.2	30-130					9/6/17 21:16	
Nitrobenzene-d5		76.0	30-130					9/7/17 13:45	
2-Fluorobiphenyl		59.5	30-130					9/6/17 21:16	
2-Fluorobiphenyl		66.6	30-130					9/7/17 13:45	
2,4,6-Tribromophenol		69.0	30-130					9/6/17 21:16	
2,4,6-Tribromophenol		74.3	30-130					9/7/17 13:45	
p-Terphenyl-d14		69.3	30-130					9/6/17 21:16	
p-Terphenyl-d14		72.6	30-130					9/7/17 13:45	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1260 [2]	0.26	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		9/9/17 23:28
Decachlorobiphenyl [2]	98.3	30-150		9/9/17 23:28
Tetrachloro-m-xylene [1]	91.9	30-150		9/9/17 23:28
Tetrachloro-m-xylene [2]	95.9	30-150		9/9/17 23:28

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 18:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	19	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Arsenic	10	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Barium	61	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Cadmium	0.78	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Chromium	48	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Copper	200	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Lead	240	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Mercury	0.10	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:09	TJK
Nickel	69	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:12	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:17	QNW
Vanadium	68	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Zinc	240	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Acrylonitrile	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorodibromomethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		8/30/17 9:19
Toluene-d8	105	70-130		8/30/17 9:19
4-Bromofluorobenzene	104	70-130		8/30/17 9:19

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthene	1.6	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Acenaphthylene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Aniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Aniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Anthracene	3.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)anthracene	16	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)anthracene	17	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)pyrene	13	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)pyrene	13	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(b)fluoranthene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(b)fluoranthene	19	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(g,h,i)perylene	6.2	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(g,h,i)perylene	7.7	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(k)fluoranthene	7.3	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(k)fluoranthene	6.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethoxy)methane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Bromophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Butylbenzylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Carbazole	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Carbazole	3.5	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloroaniline	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloro-3-methylphenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chloronaphthalene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chlorophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Chrysene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Chrysene	18	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenz(a,h)anthracene	1.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dibenzofuran	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-butylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3,3-Dichlorobenzidine	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Diethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dimethylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dimethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4,6-Dinitro-2-methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,6-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-octylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluoranthene	46	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluoranthene	52	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluorene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluorene	1.2	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobutadiene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorocyclopentadiene	ND	9.4	mg/Kg dry	25	V-05	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachloroethane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Indeno(1,2,3-cd)pyrene	6.6	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Indeno(1,2,3-cd)pyrene	8.4	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Isophorone	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Methylnaphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3/4-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Naphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Nitrobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitrophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodiphenylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodi-n-propylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachloronitrobenzene	ND	9.4	mg/Kg dry	25	V-16	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenanthrene	27	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenanthrene	30	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyrene	36	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyrene	46	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyridine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyridine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4-Trichlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,5-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,6-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.6	30-130		9/7/17 19:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		67.3	30-130					9/6/17 21:40	
Phenol-d6		68.4	30-130					9/7/17 19:06	
Phenol-d6		69.3	30-130					9/6/17 21:40	
Nitrobenzene-d5		76.5	30-130					9/7/17 19:06	
Nitrobenzene-d5		79.8	30-130					9/6/17 21:40	
2-Fluorobiphenyl		67.3	30-130					9/7/17 19:06	
2-Fluorobiphenyl		70.8	30-130					9/6/17 21:40	
2,4,6-Tribromophenol		86.7	30-130					9/7/17 19:06	
2,4,6-Tribromophenol		89.6	30-130					9/6/17 21:40	
p-Terphenyl-d14		74.3	30-130					9/7/17 19:06	
p-Terphenyl-d14		88.2	30-130					9/6/17 21:40	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1260 [1]	0.40	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1268 [1]	0.17	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		9/9/17 23:41
Decachlorobiphenyl [2]	96.4	30-150		9/9/17 23:41
Tetrachloro-m-xylene [1]	75.6	30-150		9/9/17 23:41
Tetrachloro-m-xylene [2]	79.2	30-150		9/9/17 23:41

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	780	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	5.6	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Arsenic	5.0	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Barium	130	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Cadmium	1.2	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Chromium	26	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Copper	140	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Lead	280	0.79	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Mercury	0.26	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:28	TJK
Nickel	92	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Vanadium	170	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Zinc	630	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		8/30/17 9:48
Toluene-d8	105	70-130		8/30/17 9:48
4-Bromofluorobenzene	98.8	70-130		8/30/17 9:48

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthene	ND	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Acenaphthylene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Aniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Aniline	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Anthracene	0.95	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)anthracene	9.7	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)anthracene	10	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)pyrene	8.0	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)pyrene	8.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(b)fluoranthene	12	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(b)fluoranthene	13	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(g,h,i)perylene	4.3	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(g,h,i)perylene	5.3	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(k)fluoranthene	3.8	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(k)fluoranthene	4.9	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethoxy)methane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroisopropyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Bromophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Butylbenzylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Carbazole	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Carbazole	0.77	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloroaniline	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chloronaphthalene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chlorophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Chrysene	10	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Chrysene	11	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenz(a,h)anthracene	1.4	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dibenzofuran	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-butylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3,3-Dichlorobenzidine	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Diethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dimethylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dimethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4,6-Dinitro-2-methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,6-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-octylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluoranthene	21	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluoranthene	24	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluorene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluorene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobutadiene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorocyclopentadiene	ND	6.0	mg/Kg dry	16	V-05	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachloroethane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Indeno(1,2,3-cd)pyrene	4.1	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Indeno(1,2,3-cd)pyrene	5.6	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Isophorone	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Methylnaphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3/4-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Naphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Nitrobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitrophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodiphenylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodi-n-propylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachloronitrobenzene	ND	6.0	mg/Kg dry	16	V-16	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenanthrene	6.2	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenanthrene	6.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyrene	18	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyrene	22	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyridine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyridine	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4-Trichlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,5-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,6-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.5	30-130		9/7/17 19:34

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		54.9	30-130					9/6/17 22:03	
Phenol-d6		51.9	30-130					9/7/17 19:34	
Phenol-d6		57.0	30-130					9/6/17 22:03	
Nitrobenzene-d5		63.4	30-130					9/7/17 19:34	
Nitrobenzene-d5		66.2	30-130					9/6/17 22:03	
2-Fluorobiphenyl		55.5	30-130					9/7/17 19:34	
2-Fluorobiphenyl		61.0	30-130					9/6/17 22:03	
2,4,6-Tribromophenol		69.8	30-130					9/7/17 19:34	
2,4,6-Tribromophenol		75.5	30-130					9/6/17 22:03	
p-Terphenyl-d14		62.4	30-130					9/7/17 19:34	
p-Terphenyl-d14		71.4	30-130					9/6/17 22:03	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1260 [1]	0.46	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		9/9/17 23:53
Decachlorobiphenyl [2]	89.7	30-150		9/9/17 23:53
Tetrachloro-m-xylene [1]	92.8	30-150		9/9/17 23:53
Tetrachloro-m-xylene [2]	95.6	30-150		9/9/17 23:53

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	820	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	24	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Arsenic	8.4	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Barium	560	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Cadmium	3.0	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Chromium	87	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Copper	350	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Lead	1500	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Mercury	0.25	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:30	TJK
Nickel	130	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:21	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:25	QNW
Vanadium	300	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Zinc	1900	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroform	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Naphthalene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
m+p Xylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 10:16
Toluene-d8	104	70-130		8/30/17 10:16
4-Bromofluorobenzene	104	70-130		8/30/17 10:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	3.2	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Acenaphthylene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthylene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Aniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Aniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Anthracene	7.7	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)anthracene	38	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)anthracene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)pyrene	28	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)pyrene	30	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(b)fluoranthene	42	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(b)fluoranthene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(g,h,i)perylene	14	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(g,h,i)perylene	14	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(k)fluoranthene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(k)fluoranthene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethoxy)methane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethoxy)methane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroisopropyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroisopropyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Bromophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Bromophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Butylbenzylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Butylbenzylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Carbazole	6.9	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Carbazole	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloroaniline	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloroaniline	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloro-3-methylphenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloro-3-methylphenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chloronaphthalene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chloronaphthalene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chlorophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chlorophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Chrysene	40	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Chrysene	45	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	3.8	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenz(a,h)anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dibenzofuran	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenzofuran	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-butylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-butylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3,3-Dichlorobenzidine	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3,3-Dichlorobenzidine	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Diethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Diethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dimethylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dimethylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dimethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dimethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4,6-Dinitro-2-methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4,6-Dinitro-2-methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,6-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,6-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-octylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-octylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluoranthene	130	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluoranthene	120	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluorene	2.3	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluorene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobutadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobutadiene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorocyclopentadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorocyclopentadiene	ND	21	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachloroethane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachloroethane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Indeno(1,2,3-cd)pyrene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Indeno(1,2,3-cd)pyrene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Isophorone	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Isophorone	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Methylnaphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylnaphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3/4-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3/4-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Naphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Naphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Nitrobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Nitrobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitrophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitrophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodiphenylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodiphenylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodi-n-propylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodi-n-propylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachloronitrobenzene	ND	2.1	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachloronitrobenzene	ND	21	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenanthrene	66	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenanthrene	61	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyrene	110	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyrene	97	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyridine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyridine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4-Trichlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4-Trichlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,5-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,5-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,6-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,6-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.3	30-130		9/6/17 22:27

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		71.8	30-130					9/7/17 14:15	
Phenol-d6		65.5	30-130					9/6/17 22:27	
Phenol-d6		72.2	30-130					9/7/17 14:15	
Nitrobenzene-d5		67.6	30-130					9/6/17 22:27	
Nitrobenzene-d5		86.8	30-130					9/7/17 14:15	
2-Fluorobiphenyl		45.1	30-130					9/6/17 22:27	
2-Fluorobiphenyl		53.6	30-130					9/7/17 14:15	
2,4,6-Tribromophenol		80.5	30-130					9/6/17 22:27	
2,4,6-Tribromophenol		89.8	30-130					9/7/17 14:15	
p-Terphenyl-d14		56.0	30-130					9/6/17 22:27	
p-Terphenyl-d14		59.2	30-130					9/7/17 14:15	

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1221 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1232 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1242 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1248 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1254 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1260 [1]	9.8	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1262 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1268 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:06
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3800	770	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:50

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Arsenic	23	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Barium	330	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Beryllium	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Cadmium	2.3	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Chromium	65	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Copper	3300	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Lead	290	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Mercury	27	3.9	mg/Kg dry	100		SW-846 7471B	8/30/17	9/6/17 13:23	TJK
Nickel	580	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Selenium	31	7.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Silver	ND	0.74	mg/Kg dry	1	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Thallium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Vanadium	740	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Zinc	1100	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	64.7		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Acrylonitrile	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Benzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromodichloromethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromoform	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromomethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Butanone (MEK)	ND	2.3	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
sec-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
tert-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Disulfide	ND	0.35	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Tetrachloride	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorodibromomethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroethane	0.31	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroform	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloromethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromoethane (EDB)	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dibromomethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,4-Dichlorobenzene	6.0	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,4-Dichloro-2-butene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethane	0.15	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloroethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichloropropane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloropropene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Ethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Hexachlorobutadiene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Hexanone (MBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Isopropylbenzene (Cumene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Methylene Chloride	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Propylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Styrene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1,2-Tetrachloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrachloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrahydrofuran	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Toluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichlorofluoromethane (Freon 11)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichloropropane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3,5-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Vinyl Chloride	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
m+p Xylene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
o-Xylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		9/5/17 16:37
Toluene-d8	99.8	70-130		9/5/17 16:37
4-Bromofluorobenzene	96.0	70-130		9/5/17 16:37

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Acenaphthylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Aniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)anthracene	2.0	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)pyrene	1.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(b)fluoranthene	2.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(g,h,i)perylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(k)fluoranthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethoxy)methane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroisopropyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Bromophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Butylbenzylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Carbazole	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloroaniline	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloro-3-methylphenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chloronaphthalene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chlorophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Chrysene	2.5	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenz(a,h)anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenzofuran	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-butylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3,3-Dichlorobenzidine	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Diethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dimethylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dimethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4,6-Dinitro-2-methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,6-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-octylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluoranthene	5.1	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluorene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobutadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorocyclopentadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachloroethane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Indeno(1,2,3-cd)pyrene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Isophorone	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Methylnaphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3/4-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Naphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Nitrobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitrophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodiphenylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodi-n-propylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachloronitrobenzene	ND	2.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenanthrene	2.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyrene	5.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyridine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4-Trichlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,5-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,6-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.8	30-130		9/6/17 22:51
Phenol-d6	60.3	30-130		9/6/17 22:51
Nitrobenzene-d5	69.4	30-130		9/6/17 22:51
2-Fluorobiphenyl	59.4	30-130		9/6/17 22:51
2,4,6-Tribromophenol	76.5	30-130		9/6/17 22:51
p-Terphenyl-d14	79.4	30-130		9/6/17 22:51

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1254 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1260 [1]	7.5	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:18
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2100	890	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	9.9	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Arsenic	8.8	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Barium	98	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Beryllium	ND	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Cadmium	4.6	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Chromium	33	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Copper	530	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Lead	190	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Mercury	0.52	0.043	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:25	TJK
Nickel	47	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Selenium	ND	8.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Silver	ND	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Thallium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Vanadium	160	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Zinc	610	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	56.0		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Acrylonitrile	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Disulfide	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		8/30/17 11:12
Toluene-d8	103	70-130		8/30/17 11:12
4-Bromofluorobenzene	100	70-130		8/30/17 11:12

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Acenaphthylene	4.2	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthylene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Aniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Aniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Anthracene	29	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)anthracene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)anthracene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)pyrene	65	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)pyrene	68	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(b)fluoranthene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(b)fluoranthene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(g,h,i)perylene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(g,h,i)perylene	45	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(k)fluoranthene	30	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(k)fluoranthene	31	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethoxy)methane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethoxy)methane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroisopropyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroisopropyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Bromophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Bromophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Butylbenzylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Butylbenzylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Carbazole	16	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Carbazole	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloroaniline	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloroaniline	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloro-3-methylphenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chloronaphthalene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chloronaphthalene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chlorophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chlorophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Chrysene	76	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Chrysene	79	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	10	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenz(a,h)anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dibenzofuran	6.6	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenzofuran	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-butylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-butylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3,3-Dichlorobenzidine	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3,3-Dichlorobenzidine	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Diethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Diethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dimethylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dimethylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dimethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dimethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4,6-Dinitro-2-methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4,6-Dinitro-2-methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,6-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,6-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-octylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-octylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluoranthene	180	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluoranthene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluorene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluorene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobutadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobutadiene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorocyclopentadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorocyclopentadiene	ND	61	mg/Kg dry	80	V-05	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachloroethane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachloroethane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Indeno(1,2,3-cd)pyrene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Indeno(1,2,3-cd)pyrene	46	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Isophorone	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Isophorone	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Methylnaphthalene	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylnaphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3/4-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3/4-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Naphthalene	5.9	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Naphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Nitrobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Nitrobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitrophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitrophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodiphenylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodiphenylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodi-n-propylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodi-n-propylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachloronitrobenzene	ND	6.1	mg/Kg dry	8	V-16	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachloronitrobenzene	ND	61	mg/Kg dry	80	V-16	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenanthrene	140	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenanthrene	120	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyrene	150	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyrene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyridine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyridine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4-Trichlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4-Trichlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,5-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,5-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,6-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,6-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.8	30-130		9/6/17 23:14

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		48.8	30-130					9/7/17 2:24	
Phenol-d6		37.6	30-130					9/6/17 23:14	
Phenol-d6		44.8	30-130					9/7/17 2:24	
Nitrobenzene-d5		45.4	30-130					9/6/17 23:14	
Nitrobenzene-d5		57.6	30-130					9/7/17 2:24	
2-Fluorobiphenyl		42.2	30-130					9/6/17 23:14	
2-Fluorobiphenyl		48.0	30-130					9/7/17 2:24	
2,4,6-Tribromophenol		50.5	30-130					9/6/17 23:14	
2,4,6-Tribromophenol		56.8	30-130					9/7/17 2:24	
p-Terphenyl-d14		55.8	30-130					9/6/17 23:14	
p-Terphenyl-d14		76.8	30-130					9/7/17 2:24	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1221 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1232 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1242 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1248 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1254 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1260 [1]	2300	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1262 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1268 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:08
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6300	1100	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	21	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Arsenic	37	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Barium	120	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Cadmium	2.3	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Chromium	51	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Copper	290	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Lead	230	0.84	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:39	TJK
Nickel	87	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Silver	ND	2.8	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:49	QNW
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:37	QNW
Vanadium	280	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Zinc	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 12:08
Toluene-d8	104	70-130		8/30/17 12:08
4-Bromofluorobenzene	101	70-130		8/30/17 12:08

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	57	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthene	74	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Acenaphthylene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthylene	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Aniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Aniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Anthracene	70	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Anthracene	88	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)anthracene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)anthracene	230	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)pyrene	200	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)pyrene	240	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(b)fluoranthene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(b)fluoranthene	280	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(g,h,i)perylene	130	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(g,h,i)perylene	130	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(k)fluoranthene	91	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(k)fluoranthene	92	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethoxy)methane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethoxy)methane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroisopropyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroisopropyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Bromophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Bromophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Butylbenzylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Butylbenzylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Carbazole	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Carbazole	43	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloroaniline	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloroaniline	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloro-3-methylphenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloro-3-methylphenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chloronaphthalene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chloronaphthalene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chlorophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chlorophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Chrysene	210	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Chrysene	220	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenz(a,h)anthracene	34	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dibenzofuran	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenzofuran	22	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-butylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-butylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3,3-Dichlorobenzidine	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3,3-Dichlorobenzidine	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Diethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Diethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dimethylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dimethylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dimethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dimethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4,6-Dinitro-2-methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4,6-Dinitro-2-methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,6-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,6-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-octylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-octylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluoranthene	460	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluoranthene	440	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluorene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluorene	39	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobutadiene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobutadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorocyclopentadiene	ND	80	mg/Kg dry	100	V-05	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorocyclopentadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachloroethane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachloroethane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Indeno(1,2,3-cd)pyrene	140	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Indeno(1,2,3-cd)pyrene	150	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Isophorone	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Isophorone	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Methylnaphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylnaphthalene	12	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3/4-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3/4-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Naphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Naphthalene	28	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Nitrobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Nitrobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitrophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitrophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodiphenylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodiphenylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodi-n-propylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodi-n-propylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachloronitrobenzene	ND	80	mg/Kg dry	100	V-16	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachloronitrobenzene	ND	4.0	mg/Kg dry	5	V-16	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenanthrene	350	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenanthrene	330	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyrene	390	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyrene	480	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyridine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyridine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4-Trichlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4-Trichlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,5-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,5-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,6-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,6-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 13:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**		**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		56.3		30-130					9/6/17 23:38	
Phenol-d6			*	30-130		S-01			9/7/17 13:16	
Phenol-d6		58.0		30-130					9/6/17 23:38	
Nitrobenzene-d5			*	30-130		S-01			9/7/17 13:16	
Nitrobenzene-d5		66.9		30-130					9/6/17 23:38	
2-Fluorobiphenyl			*	30-130		S-01			9/7/17 13:16	
2-Fluorobiphenyl		63.4		30-130					9/6/17 23:38	
2,4,6-Tribromophenol			*	30-130		S-01			9/7/17 13:16	
2,4,6-Tribromophenol		72.8		30-130					9/6/17 23:38	
p-Terphenyl-d14			*	30-130		S-01			9/7/17 13:16	
p-Terphenyl-d14		85.1		30-130					9/6/17 23:38	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1254 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1260 [1]	14	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 1:21
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 1:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	7400	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:43

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Arsenic	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Barium	130	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Cadmium	3.4	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Chromium	97	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Copper	570	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Lead	1800	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Mercury	0.35	0.029	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:41	TJK
Nickel	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Silver	ND	2.9	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:54	QNW
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:54	QNW
Vanadium	2000	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Zinc	1100	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromomethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorodibromomethane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloromethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichloropropane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrahydrofuran	ND	0.0091	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Vinyl Chloride	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 11:40
Toluene-d8	105	70-130		8/30/17 11:40
4-Bromofluorobenzene	102	70-130		8/30/17 11:40

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.2	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthene	4.1	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Acenaphthylene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthylene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Aniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Aniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Anthracene	6.6	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Anthracene	6.7	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)anthracene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)anthracene	31	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)pyrene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)pyrene	33	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(b)fluoranthene	37	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(b)fluoranthene	39	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(g,h,i)perylene	20	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(g,h,i)perylene	21	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(k)fluoranthene	15	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(k)fluoranthene	13	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethoxy)methane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroisopropyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-Ethylhexyl)phthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Bromophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Butylbenzylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Butylbenzylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Carbazole	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Carbazole	3.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloroaniline	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloroaniline	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloro-3-methylphenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloro-3-methylphenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chloronaphthalene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chloronaphthalene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chlorophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Chrysene	32	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Chrysene	32	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	5.1	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenz(a,h)anthracene	4.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dibenzofuran	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenzofuran	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-butylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-butylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3,3-Dichlorobenzidine	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3,3-Dichlorobenzidine	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Diethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Diethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dimethylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dimethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dimethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4,6-Dinitro-2-methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,6-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-octylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-octylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluoranthene	62	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluoranthene	68	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluorene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluorene	2.6	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobutadiene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobutadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorocyclopentadiene	ND	8.2	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachloroethane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachloroethane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Indeno(1,2,3-cd)pyrene	21	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Indeno(1,2,3-cd)pyrene	23	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Isophorone	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Isophorone	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Methylnaphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylnaphthalene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3/4-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3/4-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Naphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Naphthalene	1.3	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Nitrobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Nitrobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitrophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitrophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodiphenylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodi-n-propylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachloronitrobenzene	ND	8.2	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenanthrene	33	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenanthrene	38	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyrene	51	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyrene	73	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyridine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyridine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4-Trichlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,5-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,6-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.3	30-130		9/7/17 14:45

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		50.3	30-130					9/7/17 0:02	
Phenol-d6		52.5	30-130					9/7/17 14:45	
Phenol-d6		51.9	30-130					9/7/17 0:02	
Nitrobenzene-d5		59.8	30-130					9/7/17 14:45	
Nitrobenzene-d5		58.2	30-130					9/7/17 0:02	
2-Fluorobiphenyl		55.0	30-130					9/7/17 14:45	
2-Fluorobiphenyl		52.0	30-130					9/7/17 0:02	
2,4,6-Tribromophenol		64.4	30-130					9/7/17 14:45	
2,4,6-Tribromophenol		66.6	30-130					9/7/17 0:02	
p-Terphenyl-d14		57.8	30-130					9/7/17 14:45	
p-Terphenyl-d14		68.9	30-130					9/7/17 0:02	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1260 [1]	5.7	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:26
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4000	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:01	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Arsenic	18	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Barium	140	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Cadmium	2.9	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Chromium	47	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Copper	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Lead	470	0.89	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Mercury	0.35	0.030	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:42	TJK
Nickel	240	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Silver	ND	1.2	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/7/17 19:12	QNW
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:57	QNW
Vanadium	1700	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Zinc	980	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromoethane (EDB)	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		8/30/17 12:36
Toluene-d8	104	70-130		8/30/17 12:36
4-Bromofluorobenzene	104	70-130		8/30/17 12:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthene	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthene	21	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Acenaphthylene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthylene	2.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthylene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Aniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Aniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Aniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Anthracene	36	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Anthracene	41	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Anthracene	37	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)anthracene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)anthracene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)anthracene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)pyrene	93	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)pyrene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)pyrene	98	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(b)fluoranthene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(b)fluoranthene	150	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(b)fluoranthene	120	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(g,h,i)perylene	45	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(g,h,i)perylene	52	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(g,h,i)perylene	46	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(k)fluoranthene	44	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(k)fluoranthene	38	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(k)fluoranthene	45	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethoxy)methane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethoxy)methane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroisopropyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroisopropyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Bromophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Bromophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Butylbenzylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Butylbenzylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Carbazole	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Carbazole	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Carbazole	23	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloroaniline	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloroaniline	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloroaniline	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloro-3-methylphenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloro-3-methylphenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloro-3-methylphenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chloronaphthalene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chloronaphthalene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chloronaphthalene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chlorophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chlorophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chlorophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Chrysene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Chrysene	100	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Chrysene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenz(a,h)anthracene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenz(a,h)anthracene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenz(a,h)anthracene	13	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenzofuran	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenzofuran	8.8	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenzofuran	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-butylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-butylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-butylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3,3-Dichlorobenzidine	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3,3-Dichlorobenzidine	ND	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3,3-Dichlorobenzidine	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Diethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Diethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Diethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dimethylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dimethylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dimethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dimethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dimethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4,6-Dinitro-2-methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4,6-Dinitro-2-methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4,6-Dinitro-2-methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,6-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,6-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-octylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-octylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluoranthene	250	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluoranthene	170	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluoranthene	300	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluorene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluorene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluorene	15	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobutadiene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobutadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobutadiene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorocyclopentadiene	ND	72	mg/Kg dry	200	V-05	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorocyclopentadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorocyclopentadiene	ND	14	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachloroethane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachloroethane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachloroethane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Indeno(1,2,3-cd)pyrene	51	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Indeno(1,2,3-cd)pyrene	65	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Indeno(1,2,3-cd)pyrene	54	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Isophorone	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Isophorone	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Isophorone	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Methylnaphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylnaphthalene	2.5	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylnaphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3/4-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3/4-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3/4-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Naphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Naphthalene	5.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Naphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Nitrobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Nitrobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Nitrobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitrophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitrophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitrophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodiphenylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodiphenylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodiphenylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodi-n-propylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodi-n-propylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodi-n-propylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachloronitrobenzene	ND	72	mg/Kg dry	200	V-16	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachloronitrobenzene	ND	1.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachloronitrobenzene	ND	14	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenanthrene	190	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Phenanthrene	130	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenanthrene	220	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyrene	200	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyrene	190	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyrene	220	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyridine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyridine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyridine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4-Trichlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4-Trichlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,5-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,5-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,6-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,6-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 15:44
2-Fluorophenol	56.3	30-130		9/7/17 0:25
2-Fluorophenol	58.6	30-130		9/7/17 15:14
Phenol-d6	*	30-130	S-01	9/7/17 15:44
Phenol-d6	57.2	30-130		9/7/17 0:25
Phenol-d6	56.2	30-130		9/7/17 15:14
Nitrobenzene-d5	*	30-130	S-01	9/7/17 15:44
Nitrobenzene-d5	60.8	30-130		9/7/17 0:25
Nitrobenzene-d5	64.4	30-130		9/7/17 15:14
2-Fluorobiphenyl	*	30-130	S-01	9/7/17 15:44
2-Fluorobiphenyl	58.2	30-130		9/7/17 0:25
2-Fluorobiphenyl	59.2	30-130		9/7/17 15:14
2,4,6-Tribromophenol	*	30-130	S-01	9/7/17 15:44
2,4,6-Tribromophenol	74.5	30-130		9/7/17 0:25
2,4,6-Tribromophenol	67.4	30-130		9/7/17 15:14
p-Terphenyl-d14	*	30-130	S-01	9/7/17 15:44
p-Terphenyl-d14	77.1	30-130		9/7/17 0:25
p-Terphenyl-d14	70.4	30-130		9/7/17 15:14

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1260 [1]	1.5	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	40.9	30-150		9/10/17 1:46
Decachlorobiphenyl [2]	130	30-150		9/10/17 1:46
Tetrachloro-m-xylene [1]	39.8	30-150		9/10/17 1:46
Tetrachloro-m-xylene [2]	44.8	30-150		9/10/17 1:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	31	11	mg/Kg dry	1		CTDEP ETPH	9/5/17	9/8/17 2:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.9	50-150		9/8/17 2:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	20	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Arsenic	19	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Barium	150	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Cadmium	2.4	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Chromium	80	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Copper	450	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Lead	870	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Mercury	0.11	0.026	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:44	TJK
Nickel	120	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:02	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:05	QNW
Vanadium	470	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Zinc	1500	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	4.8	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Acrylonitrile	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Benzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromodichloromethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromoform	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromomethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Butanone (MEK)	ND	1.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Butylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
sec-Butylbenzene	0.13	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
tert-Butylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Disulfide	ND	0.29	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Tetrachloride	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorodibromomethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroform	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloromethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromoethane (EDB)	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dibromomethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,4-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,4-Dichloro-2-butene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichloropropane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloropropene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Ethylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Hexachlorobutadiene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Hexanone (MBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Isopropylbenzene (Cumene)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
p-Isopropyltoluene (p-Cymene)	0.11	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Methylene Chloride	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Naphthalene	0.73	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Propylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Styrene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrachloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrahydrofuran	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Toluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichlorofluoromethane (Freon 11)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichloropropane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trimethylbenzene	0.44	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3,5-Trimethylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Vinyl Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
m+p Xylene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
o-Xylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	119	70-130		9/5/17 17:08
Toluene-d8	104	70-130		9/5/17 17:08
4-Bromofluorobenzene	96.0	70-130		9/5/17 17:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Acenaphthylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Aniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(b)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(g,h,i)perylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(k)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethoxy)methane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Bromophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Butylbenzylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Carbazole	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloroaniline	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloro-3-methylphenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chloronaphthalene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chlorophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Chrysene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenz(a,h)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenzofuran	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-butylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3,3-Dichlorobenzidine	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Diethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dimethylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dimethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,6-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-octylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluoranthene	5.0	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluorene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobutadiene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorocyclopentadiene	ND	9.8	mg/Kg dry	10	V-05	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachloroethane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Isophorone	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Methylnaphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3/4-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Naphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Nitrobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitrophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodiphenylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodi-n-propylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachloronitrobenzene	ND	9.8	mg/Kg dry	10	V-16	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenanthrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyridine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4-Trichlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,5-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,6-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.7	30-130		9/7/17 20:30
Phenol-d6	65.3	30-130		9/7/17 20:30
Nitrobenzene-d5	75.0	30-130		9/7/17 20:30
2-Fluorobiphenyl	66.0	30-130		9/7/17 20:30
2,4,6-Tribromophenol	87.7	30-130		9/7/17 20:30
p-Terphenyl-d14	70.0	30-130		9/7/17 20:30

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1260 [1]	0.32	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1268 [1]	0.14	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	51.6	30-150		9/10/17 1:59
Decachlorobiphenyl [2]	58.7	30-150		9/10/17 1:59
Tetrachloro-m-xylene [1]	58.3	30-150		9/10/17 1:59
Tetrachloro-m-xylene [2]	63.7	30-150		9/10/17 1:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1600	1400	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.8	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Arsenic	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Barium	210	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Beryllium	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Cadmium	2.0	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Chromium	32	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Copper	220	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Lead	460	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Mercury	0.098	0.036	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:46	TJK
Nickel	31	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Thallium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Vanadium	98	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Zinc	950	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-26 Sampled: 8/29/2017 09:10

Sample ID: 17H1544-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1260 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/9/17 0:59
Decachlorobiphenyl [2]	117	30-150		9/9/17 0:59
Tetrachloro-m-xylene [1]	90.2	30-150		9/9/17 0:59
Tetrachloro-m-xylene [2]	97.3	30-150		9/9/17 0:59

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-27 Sampled: 8/29/2017 09:40

Sample ID: 17H1544-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1260 [2]	0.93	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/9/17 1:17
Decachlorobiphenyl [2]	119	30-150		9/9/17 1:17
Tetrachloro-m-xylene [1]	91.3	30-150		9/9/17 1:17
Tetrachloro-m-xylene [2]	98.4	30-150		9/9/17 1:17

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-29 Sampled: 8/29/2017 10:05

Sample ID: 17H1544-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1260 [2]	2.9	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/9/17 21:40
Decachlorobiphenyl [2]	118	30-150		9/9/17 21:40
Tetrachloro-m-xylene [1]	97.4	30-150		9/9/17 21:40
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 21:40

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-16 Sampled: 8/29/2017 12:05

Sample ID: 17H1544-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1221 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1232 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1242 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1248 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1254 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1260 [2]	1800	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1262 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1268 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 22:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 22:15

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-17 Sampled: 8/29/2017 12:20

Sample ID: 17H1544-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1260 [1]	1.9	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		9/9/17 22:33
Decachlorobiphenyl [2]	145	30-150		9/9/17 22:33
Tetrachloro-m-xylene [1]	117	30-150		9/9/17 22:33
Tetrachloro-m-xylene [2]	121	30-150		9/9/17 22:33

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-18 Sampled: 8/29/2017 12:35

Sample ID: 17H1544-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1260 [1]	2.0	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.2	30-150		9/9/17 22:51
Decachlorobiphenyl [2]	72.2	30-150		9/9/17 22:51
Tetrachloro-m-xylene [1]	62.8	30-150		9/9/17 22:51
Tetrachloro-m-xylene [2]	64.1	30-150		9/9/17 22:51

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-19 Sampled: 8/29/2017 12:50

Sample ID: 17H1544-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1260 [2]	0.79	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/9/17 23:09
Decachlorobiphenyl [2]	130	30-150		9/9/17 23:09
Tetrachloro-m-xylene [1]	93.0	30-150		9/9/17 23:09
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 23:09

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		8/30/17 10:44
Toluene-d8	106	70-130		8/30/17 10:44
4-Bromofluorobenzene	102	70-130		8/30/17 10:44

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Acenaphthylene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Aniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)anthracene	1.4	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)pyrene	1.5	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(b)fluoranthene	1.9	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(g,h,i)perylene	0.90	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(k)fluoranthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethoxy)methane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroisopropyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Bromophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Butylbenzylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Carbazole	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloroaniline	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloro-3-methylphenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chloronaphthalene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chlorophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Chrysene	1.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenzofuran	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-butylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3,3-Dichlorobenzidine	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Diethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dimethylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dimethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4,6-Dinitro-2-methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,6-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-octylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluoranthene	2.3	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluorene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobutadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorocyclopentadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachloroethane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Indeno(1,2,3-cd)pyrene	0.95	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Isophorone	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3/4-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Naphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Nitrobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitrophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodiphenylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodi-n-propylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachloronitrobenzene	ND	1.7	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenanthrene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyrene	2.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyridine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,5-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,6-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.0	30-130		9/7/17 1:13
Phenol-d6	69.6	30-130		9/7/17 1:13
Nitrobenzene-d5	76.4	30-130		9/7/17 1:13
2-Fluorobiphenyl	63.6	30-130		9/7/17 1:13
2,4,6-Tribromophenol	89.5	30-130		9/7/17 1:13
p-Terphenyl-d14	83.2	30-130		9/7/17 1:13

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1254 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1260 [1]	1.6	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.2	30-150		9/10/17 2:12
Decachlorobiphenyl [2]	83.6	30-150		9/10/17 2:12
Tetrachloro-m-xylene [1]	85.0	30-150		9/10/17 2:12
Tetrachloro-m-xylene [2]	90.9	30-150		9/10/17 2:12

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	560	250	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 21:36	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:36

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	18	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Arsenic	16	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Barium	70	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Cadmium	1.4	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Chromium	91	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Copper	410	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Lead	180	0.94	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Mercury	0.21	0.031	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:47	TJK
Nickel	150	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Silver	ND	1.3	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:09	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:14	QNW
Vanadium	470	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Zinc	330	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185490	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185490	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185490	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185490	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185490	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185490	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185490	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185490	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185490	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185490	30.0	2.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185490	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185490	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185490	30.0	1.00	09/05/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1544-01 [WS-AOC13-SE-26]	B185325	08/31/17
17H1544-02 [WS-AOC13-SE-27]	B185325	08/31/17
17H1544-03 [WS-AOC13-SE-28]	B185325	08/31/17
17H1544-04 [WS-AOC13-SE-29]	B185325	08/31/17
17H1544-05 [WS-AOC13-SE-30]	B185325	08/31/17
17H1544-06 [WS-AOC13-SE-31]	B185325	08/31/17
17H1544-07 [WS-AOC3-SE-6]	B185325	08/31/17
17H1544-08 [WS-AOC8-SE-16]	B185325	08/31/17
17H1544-09 [WS-AOC8-SE-17]	B185325	08/31/17
17H1544-10 [AS-AOC8-SE-18]	B185325	08/31/17
17H1544-11 [WS-AOC8-SE-19]	B185325	08/31/17
17H1544-12 [WS-AOC8-SE-24]	B185325	08/31/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185325	08/31/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185527	1.04	50.0	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185527	1.02	50.0	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185527	1.00	50.0	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185527	1.05	50.0	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185527	1.08	50.0	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185527	1.04	50.0	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185527	1.02	50.0	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185527	1.01	50.0	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185527	1.00	50.0	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185527	1.01	50.0	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185527	1.04	50.0	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185527	1.07	50.0	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185527	0.996	50.0	09/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185230	0.606	50.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185230	0.591	50.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185230	0.620	50.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185230	0.625	50.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185230	0.598	50.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185230	0.593	50.0	08/30/17
17H1544-07 [WS-AOC3-SE-6]	B185230	0.625	50.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185230	0.603	50.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185230	0.604	50.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185230	0.605	50.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185230	0.602	50.0	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185230	0.599	50.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185230	0.605	50.0	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-13 [WS-AOC13-CO-26]	B185577	2.01	10.0	09/06/17
17H1544-14 [WS-AOC13-CO-27]	B185577	2.05	10.0	09/06/17
17H1544-15 [WS-AOC13-CO-29]	B185577	2.23	10.0	09/06/17
17H1544-16 [WS-AOC8-CO-16]	B185577	2.07	10.0	09/06/17
17H1544-17 [WS-AOC8-CO-17]	B185577	2.09	10.0	09/06/17
17H1544-18 [WS-AOC8-CO-18]	B185577	2.08	10.0	09/06/17
17H1544-19 [WS-AOC8-CO-19]	B185577	2.07	10.0	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185576	10.0	10.0	09/06/17
17H1544-02 [WS-AOC13-SE-27]	B185576	10.3	10.0	09/06/17
17H1544-03 [WS-AOC13-SE-28]	B185576	10.1	10.0	09/06/17
17H1544-04 [WS-AOC13-SE-29]	B185576	10.0	10.0	09/06/17
17H1544-05 [WS-AOC13-SE-30]	B185576	10.0	10.0	09/06/17
17H1544-06 [WS-AOC13-SE-31]	B185576	10.2	10.0	09/06/17
17H1544-07 [WS-AOC3-SE-6]	B185576	10.1	10.0	09/06/17
17H1544-08 [WS-AOC8-SE-16]	B185576	10.2	10.0	09/06/17
17H1544-09 [WS-AOC8-SE-17]	B185576	10.2	10.0	09/06/17
17H1544-10 [AS-AOC8-SE-18]	B185576	10.3	10.0	09/06/17
17H1544-11 [WS-AOC8-SE-19]	B185576	10.0	10.0	09/06/17
17H1544-12 [WS-AOC8-SE-24]	B185576	10.2	10.0	09/06/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185576	10.1	10.0	09/06/17

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

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
17H1544-07 [WS-AOC3-SE-6]	B185016	5.72	7.52	1	50	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185016	4.88	6.49	1	50	08/30/17

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185200	6.54	10.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185200	5.46	10.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185200	6.98	10.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185200	7.23	10.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185200	5.99	10.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185200	7.12	10.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185200	5.56	10.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185200	5.73	10.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185200	6.60	10.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185200	5.36	10.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185200	6.80	10.0	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185495	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185495	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-03RE1 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-04RE1 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-05RE1 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-06RE1 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185495	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-08RE1 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-09RE1 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-10RE1 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE1 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE2 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185495	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185495	30.0	1.00	09/05/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17						
Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
Carbon Disulfide	ND	0.15	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035											
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Tetrachloroethylene	ND	0.050	mg/Kg wet								
Tetrahydrofuran	ND	0.50	mg/Kg wet								
Toluene	ND	0.050	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet								
Trichloroethylene	ND	0.050	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet								
Vinyl Chloride	ND	0.10	mg/Kg wet								
m+p Xylene	ND	0.10	mg/Kg wet								
o-Xylene	ND	0.050	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0275*		mg/Kg wet	0.0250		110		70-130			
Surrogate: Toluene-d8	*0.0253*		mg/Kg wet	0.0250		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0231*		mg/Kg wet	0.0250		92.4		70-130			
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Acetone	0.125	0.057	mg/Kg wet	0.113		110		70-130			
Acrylonitrile	0.0123	0.0057	mg/Kg wet	0.0113		109		70-130			
Benzene	0.0126	0.0011	mg/Kg wet	0.0113		111		70-130			
Bromobenzene	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromodichloromethane	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromoform	0.0117	0.0011	mg/Kg wet	0.0113		104		70-130			
Bromomethane	0.0147	0.0023	mg/Kg wet	0.0113		129		70-130			
2-Butanone (MEK)	0.139	0.023	mg/Kg wet	0.113		123		70-130			
n-Butylbenzene	0.0142	0.0011	mg/Kg wet	0.0113		125		70-130			
sec-Butylbenzene	0.0133	0.0011	mg/Kg wet	0.0113		118		70-130			
tert-Butylbenzene	0.0132	0.0011	mg/Kg wet	0.0113		117		70-130			
Carbon Disulfide	0.140	0.0034	mg/Kg wet	0.113		124		70-130			
Carbon Tetrachloride	0.0131	0.0011	mg/Kg wet	0.0113		116		70-130			
Chlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
Chlorodibromomethane	0.0137	0.00057	mg/Kg wet	0.0113		121		70-130			
Chloroethane	0.0130	0.0023	mg/Kg wet	0.0113		115		70-130			
Chloroform	0.0124	0.0023	mg/Kg wet	0.0113		109		70-130			
Chloromethane	0.0159	0.0023	mg/Kg wet	0.0113		**141**	*	70-130			L-01
2-Chlorotoluene	0.0108	0.0011	mg/Kg wet	0.0113		95.1		70-130			
4-Chlorotoluene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0148	0.0057	mg/Kg wet	0.0113		**131**	*	70-130			L-01
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112		70-130			
Dibromomethane	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130			
1,2-Dichlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115		70-130			
1,3-Dichlorobenzene	0.0127	0.0011	mg/Kg wet	0.0113		112		70-130			
1,4-Dichlorobenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130			
trans-1,4-Dichloro-2-butene	0.0143	0.0023	mg/Kg wet	0.0113		126		70-130			
Dichlorodifluoromethane (Freon 12)	0.0139	0.0023	mg/Kg wet	0.0113		122		70-130			
1,1-Dichloroethane	0.0137	0.0011	mg/Kg wet	0.0113		121		70-130			
1,2-Dichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,1-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
trans-1,2-Dichloroethylene	0.0135	0.0011	mg/Kg wet	0.0113		119	70-130			
1,2-Dichloropropane	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
1,3-Dichloropropane	0.0123	0.00057	mg/Kg wet	0.0113		108	70-130			
2,2-Dichloropropane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1-Dichloropropene	0.0134	0.0023	mg/Kg wet	0.0113		118	70-130			
cis-1,3-Dichloropropene	0.0125	0.00057	mg/Kg wet	0.0113		110	70-130			
trans-1,3-Dichloropropene	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0131	0.0011	mg/Kg wet	0.0113		116	70-130			
2-Hexanone (MBK)	0.141	0.011	mg/Kg wet	0.113		124	70-130			
Isopropylbenzene (Cumene)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0139	0.0011	mg/Kg wet	0.0113		122	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0122	0.0011	mg/Kg wet	0.0113		107	70-130			
Methylene Chloride	0.0125	0.0057	mg/Kg wet	0.0113		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.131	0.011	mg/Kg wet	0.113		115	70-130			
Naphthalene	0.0133	0.0023	mg/Kg wet	0.0113		117	70-130			
n-Propylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1,2-Tetrachloroethane	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
1,1,2,2-Tetrachloroethane	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130			
Tetrachloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Tetrahydrofuran	0.0123	0.011	mg/Kg wet	0.0113		108	70-130			
Toluene	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130			
1,2,3-Trichlorobenzene	0.0128	0.0057	mg/Kg wet	0.0113		113	70-130			
1,2,4-Trichlorobenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1,1-Trichloroethane	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
1,1,2-Trichloroethane	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Trichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Trichlorofluoromethane (Freon 11)	0.0126	0.0023	mg/Kg wet	0.0113		112	70-130			
1,2,3-Trichloropropane	0.0130	0.0023	mg/Kg wet	0.0113		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2,4-Trimethylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130			
1,3,5-Trimethylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Vinyl Chloride	0.0104	0.0023	mg/Kg wet	0.0113		92.2	70-130			
m+p Xylene	0.0253	0.0023	mg/Kg wet	0.0227		112	70-130			
o-Xylene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0318*		mg/Kg wet	0.0283		112	70-130			
Surrogate: Toluene-d8	*0.0288*		mg/Kg wet	0.0283		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0274*		mg/Kg wet	0.0283		96.8	70-130			
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0521*		mg/Kg wet	0.0500		104	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0507*		mg/Kg wet	0.0500		101	70-130			
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Acetone	0.176	0.10	mg/Kg wet	0.200		88.2	70-130			
Acrylonitrile	0.0219	0.0060	mg/Kg wet	0.0200		109	70-130			
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
Bromobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.4	70-130			
Bromodichloromethane	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
Bromomethane	0.0196	0.010	mg/Kg wet	0.0200		97.9	70-130			
2-Butanone (MEK)	0.215	0.040	mg/Kg wet	0.200		108	70-130			
n-Butylbenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
sec-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102	70-130			
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
Chlorobenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.8	70-130			
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0158	0.020	mg/Kg wet	0.0200		79.1	70-130			
Chloroform	0.0185	0.0040	mg/Kg wet	0.0200		92.6	70-130			
Chloromethane	0.0194	0.010	mg/Kg wet	0.0200		97.2	70-130			
2-Chlorotoluene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
4-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dibromoethane (EDB)	0.0207	0.0010	mg/Kg wet	0.0200		103	70-130			
Dibromomethane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,3-Dichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.1	70-130			
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
trans-1,4-Dichloro-2-butene	0.0179	0.0040	mg/Kg wet	0.0200		89.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0227	0.020	mg/Kg wet	0.0200		113	70-130			
1,1-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
1,2-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0198	0.0040	mg/Kg wet	0.0200		98.8	70-130			
cis-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
trans-1,2-Dichloroethylene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
1,2-Dichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,3-Dichloropropane	0.0194	0.0010	mg/Kg wet	0.0200		97.2	70-130			
2,2-Dichloropropane	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,1-Dichloropropene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130			
cis-1,3-Dichloropropene	0.0183	0.0010	mg/Kg wet	0.0200		91.3	70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.4	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Ethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Hexachlorobutadiene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
2-Hexanone (MBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0179	0.0020	mg/Kg wet	0.0200		89.7	70-130			
p-Isopropyltoluene (p-Cymene)	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0184	0.0040	mg/Kg wet	0.0200		92.1	70-130			
Methylene Chloride	0.0221	0.020	mg/Kg wet	0.0200		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0154	0.0040	mg/Kg wet	0.0200		76.8	70-130			
n-Propylbenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.3	70-130			
Styrene	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130			
1,1,1,2-Tetrachloroethane	0.0176	0.0020	mg/Kg wet	0.0200		87.9	70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		79.8	70-130			
Tetrachloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0178	0.010	mg/Kg wet	0.0200		88.9	70-130			V-16
Toluene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
1,2,3-Trichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
1,1,1-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2-Trichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
Trichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130			
Trichlorofluoromethane (Freon 11)	0.0238	0.010	mg/Kg wet	0.0200		119	70-130			
1,2,3-Trichloropropane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
1,2,4-Trimethylbenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130			
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
Vinyl Chloride	0.0175	0.010	mg/Kg wet	0.0200		87.3	70-130			
m+p Xylene	0.0349	0.0040	mg/Kg wet	0.0400		87.2	70-130			
o-Xylene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0528*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0518*		mg/Kg wet	0.0500		104	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*4.54*		mg/Kg wet	6.67		68.2	30-130			
Surrogate: Phenol-d6	*4.69*		mg/Kg wet	6.67		70.4	30-130			
Surrogate: Nitrobenzene-d5	*2.33*		mg/Kg wet	3.33		69.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/Kg wet	3.33		72.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.89*		mg/Kg wet	6.67		88.4	30-130			
Surrogate: p-Terphenyl-d14	*2.93*		mg/Kg wet	3.33		87.8	30-130			
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Acenaphthylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140			
Aniline	0.778	0.34	mg/Kg wet	1.67		46.7	40-140			†
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140			
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Benzo(b)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.5	40-140			
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Benzo(k)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140			
Bis(2-chloroethoxy)methane	1.21	0.34	mg/Kg wet	1.67		72.8	40-140			
Bis(2-chloroethyl)ether	1.05	0.34	mg/Kg wet	1.67		63.2	40-140			
Bis(2-chloroisopropyl)ether	1.17	0.34	mg/Kg wet	1.67		70.2	40-140			
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
4-Bromophenylphenylether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140			
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5	40-140			
Carbazole	1.05	0.17	mg/Kg wet	1.67		62.7	40-140			
4-Chloroaniline	0.694	0.66	mg/Kg wet	1.67		41.7	40-140			†
4-Chloro-3-methylphenol	1.16	0.66	mg/Kg wet	1.67		69.7	30-130			
2-Chloronaphthalene	1.02	0.34	mg/Kg wet	1.67		61.2	40-140			
2-Chlorophenol	1.08	0.34	mg/Kg wet	1.67		64.8	30-130			
4-Chlorophenylphenylether	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140			
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Dibenzofuran	1.09	0.34	mg/Kg wet	1.67		65.4	40-140			
Di-n-butylphthalate	1.14	0.34	mg/Kg wet	1.67		68.3	40-140			
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2	40-140			†
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130			
Diethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.1	40-140			
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130			
Dimethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.2	40-140			
4,6-Dinitro-2-methylphenol	0.926	0.34	mg/Kg wet	1.67		55.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185495 - SW-846 3546											
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17							
2,4-Dinitrophenol	0.597	0.66	mg/Kg wet	1.67		35.8	30-130				
2,4-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		72.9	40-140				
2,6-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		73.0	40-140				
Di-n-octylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140				
Fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Hexachlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		71.1	40-140				
Hexachlorocyclopentadiene	0.940	0.34	mg/Kg wet	1.67		56.4	30-140				
Hexachloroethane	1.02	0.34	mg/Kg wet	1.67		61.0	40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140				
Isophorone	1.21	0.34	mg/Kg wet	1.67		72.6	40-140				
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140				
2-Methylphenol	1.01	0.34	mg/Kg wet	1.67		60.8	30-130				
3/4-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.7	30-130				
Naphthalene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140				
2-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		71.9	40-140				
3-Nitroaniline	0.969	0.34	mg/Kg wet	1.67		58.2	40-140				†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.6	40-140				
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.7	40-140				
2-Nitrophenol	1.08	0.34	mg/Kg wet	1.67		64.6	30-130				
4-Nitrophenol	1.44	0.66	mg/Kg wet	1.67		86.2	10-130				
N-Nitrosodiphenylamine	1.39	0.34	mg/Kg wet	1.67		83.6	40-140				
N-Nitrosodi-n-propylamine	1.13	0.34	mg/Kg wet	1.67		67.9	40-140				
Pentachloronitrobenzene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140			V-16	
Pentachlorophenol	0.930	0.34	mg/Kg wet	1.67		55.8	30-130				
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140				
Phenol	1.14	0.34	mg/Kg wet	1.67		68.4	20-130				
Pyrene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140				
Pyridine	0.669	0.34	mg/Kg wet	1.67		40.2	10-140				†
1,2,4,5-Tetrachlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140				
1,2,4-Trichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.4	40-140				
2,4,5-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.4	30-130				
2,4,6-Trichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130				
Surrogate: 2-Fluorophenol	*4.68*		mg/Kg wet	6.67		70.2	30-130				
Surrogate: Phenol-d6	*4.81*		mg/Kg wet	6.67		72.2	30-130				
Surrogate: Nitrobenzene-d5	*2.43*		mg/Kg wet	3.33		72.9	30-130				
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		72.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.33*		mg/Kg wet	6.67		94.9	30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.4	30-130				
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
Acenaphthene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	2.27	30		
Acenaphthylene	0.938	0.17	mg/Kg wet	1.67		56.3	40-140	3.52	30		
Aniline	0.734	0.34	mg/Kg wet	1.67		44.0	40-140	5.91	50		† ‡
Anthracene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	2.92	30		
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140	4.96	30		
Benzo(a)pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140	5.65	30		
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	5.29	30		
Benzo(g,h,i)perylene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	6.52	30		
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	4.77	30		
Bis(2-chloroethoxy)methane	1.17	0.34	mg/Kg wet	1.67		70.1	40-140	3.81	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Bis(2-chloroethyl)ether	1.07	0.34	mg/Kg wet	1.67		64.3	40-140	1.76	30	
Bis(2-chloroisopropyl)ether	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	4.58	30	
Bis(2-Ethylhexyl)phthalate	1.13	0.34	mg/Kg wet	1.67		67.7	40-140	4.25	30	
4-Bromophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	3.22	30	
Butylbenzylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	6.31	30	
Carbazole	0.997	0.17	mg/Kg wet	1.67		59.8	40-140	4.77	30	
4-Chloroaniline	0.693	0.66	mg/Kg wet	1.67		41.6	40-140	0.240	30	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		66.0	30-130	5.51	30	
2-Chloronaphthalene	0.996	0.34	mg/Kg wet	1.67		59.8	40-140	2.35	30	
2-Chlorophenol	1.03	0.34	mg/Kg wet	1.67		61.6	30-130	5.06	30	
4-Chlorophenylphenylether	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	5.52	30	
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	5.32	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	4.48	30	
Dibenzofuran	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	2.76	30	
Di-n-butylphthalate	1.09	0.34	mg/Kg wet	1.67		65.2	40-140	4.73	30	
3,3-Dichlorobenzidine	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	0.775	30	† ‡
2,4-Dichlorophenol	1.13	0.34	mg/Kg wet	1.67		67.6	30-130	3.78	30	
Diethylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	3.86	30	
2,4-Dimethylphenol	1.07	0.34	mg/Kg wet	1.67		64.2	30-130	4.56	30	
Dimethylphthalate	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	3.26	50	
4,6-Dinitro-2-methylphenol	0.902	0.34	mg/Kg wet	1.67		54.1	30-130	2.70	50	
2,4-Dinitrophenol	0.607	0.66	mg/Kg wet	1.67		36.4	30-130	1.66	50	
2,4-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	3.77	30	
2,6-Dinitrotoluene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140	3.20	30	
Di-n-octylphthalate	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	4.43	30	
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	3.16	30	
Fluorene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.70	30	
Hexachlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.7	40-140	0.986	30	
Hexachlorobutadiene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	1.99	30	
Hexachlorocyclopentadiene	0.928	0.34	mg/Kg wet	1.67		55.7	30-140	1.29	50	
Hexachloroethane	1.01	0.34	mg/Kg wet	1.67		60.7	40-140	0.460	50	
Indeno(1,2,3-cd)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	3.70	50	
Isophorone	1.16	0.34	mg/Kg wet	1.67		69.4	40-140	4.45	30	
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	3.17	30	
2-Methylphenol	0.976	0.34	mg/Kg wet	1.67		58.6	30-130	3.72	30	
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.2	30-130	5.57	30	
Naphthalene	0.977	0.17	mg/Kg wet	1.67		58.6	40-140	4.28	30	
2-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		71.0	40-140	1.26	30	
3-Nitroaniline	0.932	0.34	mg/Kg wet	1.67		55.9	40-140	3.89	30	†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.2	40-140	0.641	30	
Nitrobenzene	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	5.28	30	
2-Nitrophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	0.809	30	
4-Nitrophenol	1.42	0.66	mg/Kg wet	1.67		85.5	10-130	0.769	50	‡
N-Nitrosodiphenylamine	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	5.43	30	
N-Nitrosodi-n-propylamine	1.10	0.34	mg/Kg wet	1.67		65.9	40-140	3.05	30	
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.1	40-140	1.55	30	V-16
Pentachlorophenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130	2.76	50	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	3.26	30	
Phenol	1.08	0.34	mg/Kg wet	1.67		64.6	20-130	5.71	30	
Pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	5.53	30	
Pyridine	0.631	0.34	mg/Kg wet	1.67		37.8	10-140	5.95	50	†
1,2,4,5-Tetrachlorobenzene	1.07	0.34	mg/Kg wet	1.67		64.5	40-140	3.80	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546											
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
1,2,4-Trichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.1		40-140	3.37	30	
2,4,5-Trichlorophenol	1.10	0.34	mg/Kg wet	1.67		66.3		30-130	1.68	30	
2,4,6-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.2		30-130	2.55	50	
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		68.0		30-130			
Surrogate: Phenol-d6	*4.56*		mg/Kg wet	6.67		68.5		30-130			
Surrogate: Nitrobenzene-d5	*2.32*		mg/Kg wet	3.33		69.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.36*		mg/Kg wet	3.33		70.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.14*		mg/Kg wet	6.67		92.0		30-130			
Surrogate: p-Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.6		30-130			
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17							
Acenaphthene	1.16	0.75	mg/Kg dry	1.83	0.285	47.6		40-140			R-06
Acenaphthylene	0.956	0.75	mg/Kg dry	1.83	ND	52.2		40-140			
Aniline	0.533	1.5	mg/Kg dry	1.83	ND	**29.1**	*	40-140			MS-09
Anthracene	1.80	0.75	mg/Kg dry	1.83	0.945	46.9		40-140			R-06
Benzo(a)anthracene	9.37	0.75	mg/Kg dry	1.83	10.3	**-50.2**	*	40-140			MS-09, R-06
Benzo(a)pyrene	7.57	0.75	mg/Kg dry	1.83	8.83	**-68.8**	*	40-140			MS-08, R-06
Benzo(b)fluoranthene	10.6	0.75	mg/Kg dry	1.83	12.7	**-116**	*	40-140			MS-08, R-06
Benzo(g,h,i)perylene	3.79	0.75	mg/Kg dry	1.83	5.30	**-82.4**	*	40-140			MS-09
Benzo(k)fluoranthene	4.50	0.75	mg/Kg dry	1.83	4.86	**-19.7**	*	40-140			MS-08, R-06
Bis(2-chloroethoxy)methane	1.05	1.5	mg/Kg dry	1.83	ND	57.3		40-140			
Bis(2-chloroethyl)ether	0.992	1.5	mg/Kg dry	1.83	ND	54.2		40-140			
Bis(2-chloroisopropyl)ether	1.07	1.5	mg/Kg dry	1.83	ND	58.6		40-140			
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.7		40-140			
4-Bromophenylphenylether	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140			
Butylbenzylphthalate	1.23	1.5	mg/Kg dry	1.83	ND	67.4		40-140			
Carbazole	1.89	0.75	mg/Kg dry	1.83	0.767	61.2		40-140			R-06
4-Chloroaniline	0.741	2.9	mg/Kg dry	1.83	ND	40.5		40-140			
4-Chloro-3-methylphenol	1.06	2.9	mg/Kg dry	1.83	ND	58.1		30-130			
2-Chloronaphthalene	0.944	1.5	mg/Kg dry	1.83	ND	51.6		40-140			
2-Chlorophenol	0.972	1.5	mg/Kg dry	1.83	ND	53.1		30-130			
4-Chlorophenylphenylether	1.02	1.5	mg/Kg dry	1.83	ND	55.8		40-140			
Chrysene	10.2	0.75	mg/Kg dry	1.83	10.9	**-41.0**	*	40-140			MS-09, R-06
Dibenz(a,h)anthracene	1.51	0.75	mg/Kg dry	1.83	1.38	**7.28**	*	40-140			MS-09
Dibenzofuran	1.13	1.5	mg/Kg dry	1.83	ND	61.8		40-140			
Di-n-butylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.2		40-140			
3,3-Dichlorobenzidine	0.899	0.75	mg/Kg dry	1.83	ND	49.1		40-140			
2,4-Dichlorophenol	0.986	1.5	mg/Kg dry	1.83	ND	53.9		30-130			
Diethylphthalate	1.04	1.5	mg/Kg dry	1.83	ND	56.7		40-140			
2,4-Dimethylphenol	0.869	1.5	mg/Kg dry	1.83	ND	47.5		30-130			
Dimethylphthalate	1.02	1.5	mg/Kg dry	1.83	ND	55.9		40-140			
4,6-Dinitro-2-methylphenol	0.752	1.5	mg/Kg dry	1.83	ND	41.1		30-130			
2,4-Dinitrophenol	0.844	2.9	mg/Kg dry	1.83	ND	46.2		30-130			
2,4-Dinitrotoluene	0.885	1.5	mg/Kg dry	1.83	ND	48.4		40-140			
2,6-Dinitrotoluene	0.932	1.5	mg/Kg dry	1.83	ND	51.0		40-140			
Di-n-octylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.4		40-140			
Fluoranthene	21.7	0.75	mg/Kg dry	1.83	24.1	**-132**	*	40-140			MS-09, R-06
Fluorene	1.14	0.75	mg/Kg dry	1.83	ND	62.5		40-140			
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140			
Hexachlorobutadiene	1.09	1.5	mg/Kg dry	1.83	ND	59.8		40-140			
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140			MS-09
Hexachloroethane	0.719	1.5	mg/Kg dry	1.83	ND	**39.3**	*	40-140			MS-09

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Indeno(1,2,3-cd)pyrene	4.23	0.75	mg/Kg dry	1.83	5.57	**-73.0**	*	40-140				MS-09, R-06
Isophorone	1.07	1.5	mg/Kg dry	1.83	ND	58.7		40-140				
2-Methylnaphthalene	1.06	0.75	mg/Kg dry	1.83	ND	57.8		40-140				
2-Methylphenol	0.880	1.5	mg/Kg dry	1.83	ND	48.1		30-130				
3/4-Methylphenol	0.967	1.5	mg/Kg dry	1.83	ND	52.9		30-130				
Naphthalene	1.01	0.75	mg/Kg dry	1.83	ND	55.3		40-140				
2-Nitroaniline	1.19	1.5	mg/Kg dry	1.83	ND	65.0		40-140				
3-Nitroaniline	1.06	1.5	mg/Kg dry	1.83	ND	57.8		40-140				
4-Nitroaniline	1.10	1.5	mg/Kg dry	1.83	ND	59.9		40-140				
Nitrobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.5		40-140				
2-Nitrophenol	0.722	1.5	mg/Kg dry	1.83	ND	39.4		30-130				
4-Nitrophenol	1.23	2.9	mg/Kg dry	1.83	ND	67.1		30-130				
N-Nitrosodiphenylamine	1.23	1.5	mg/Kg dry	1.83	ND	67.0		40-140				
N-Nitrosodi-n-propylamine	1.05	1.5	mg/Kg dry	1.83	ND	57.1		40-140				
Pentachloronitrobenzene	0.998	1.5	mg/Kg dry	1.83	ND	54.6		40-140				V-16
Pentachlorophenol	0.574	1.5	mg/Kg dry	1.83	ND	31.4		30-130				
Phenanthrene	8.64	0.75	mg/Kg dry	1.83	6.77	102		40-140				R-06
Phenol	0.985	1.5	mg/Kg dry	1.83	ND	53.8		30-130				
Pyrene	22.2	0.75	mg/Kg dry	1.83	21.8	**23.4**	*	40-140				MS-09, R-06
Pyridine	0.553	1.5	mg/Kg dry	1.83	ND	**30.2**	*	40-140				MS-09
1,2,4,5-Tetrachlorobenzene	0.913	1.5	mg/Kg dry	1.83	ND	49.9		40-140				
1,2,4-Trichlorobenzene	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140				
2,4,5-Trichlorophenol	0.957	1.5	mg/Kg dry	1.83	ND	52.3		30-130				
2,4,6-Trichlorophenol	0.997	1.5	mg/Kg dry	1.83	ND	54.5		30-130				
Surrogate: 2-Fluorophenol	*3.86*		mg/Kg dry	7.32		52.8		30-130				
Surrogate: Phenol-d6	*3.98*		mg/Kg dry	7.32		54.4		30-130				
Surrogate: Nitrobenzene-d5	*2.18*		mg/Kg dry	3.66		59.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.00*		mg/Kg dry	3.66		54.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.66*		mg/Kg dry	7.32		63.6		30-130				
Surrogate: p-Terphenyl-d14	*2.64*		mg/Kg dry	3.66		72.1		30-130				
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Acenaphthene	1.76	0.75	mg/Kg dry	1.83	0.285	80.7		40-140	**41.5**	*	30	R-06
Acenaphthylene	0.981	0.75	mg/Kg dry	1.83	ND	53.6		40-140	2.57		30	
Aniline	0.534	1.5	mg/Kg dry	1.83	ND	**29.2**	*	40-140	0.274		30	MS-09
Anthracene	3.23	0.75	mg/Kg dry	1.83	0.945	125		40-140	**56.6**	*	30	R-06
Benzo(a)anthracene	14.2	0.75	mg/Kg dry	1.83	10.3	**212**	*	40-140	**40.7**	*	30	MS-09, R-06
Benzo(a)pyrene	10.7	0.75	mg/Kg dry	1.83	8.83	104		40-140	**34.6**	*	30	R-06
Benzo(b)fluoranthene	15.0	0.75	mg/Kg dry	1.83	12.7	122		40-140	**34.2**	*	30	R-06
Benzo(g,h,i)perylene	5.02	0.75	mg/Kg dry	1.83	5.30	**-15.4**	*	40-140	27.8		30	MS-09
Benzo(k)fluoranthene	6.29	0.75	mg/Kg dry	1.83	4.86	77.8		40-140	**33.1**	*	30	R-06
Bis(2-chloroethoxy)methane	1.08	1.5	mg/Kg dry	1.83	ND	59.3		40-140	3.43		30	
Bis(2-chloroethyl)ether	1.02	1.5	mg/Kg dry	1.83	ND	55.7		40-140	2.62		30	
Bis(2-chloroisopropyl)ether	1.06	1.5	mg/Kg dry	1.83	ND	58.0		40-140	0.961		30	
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.6		40-140	0.0913		30	
4-Bromophenylphenylether	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	5.52		30	
Butylbenzylphthalate	1.26	1.5	mg/Kg dry	1.83	ND	68.8		40-140	2.12		30	
Carbazole	2.85	0.75	mg/Kg dry	1.83	0.767	114		40-140	**40.8**	*	30	R-06
4-Chloroaniline	0.751	2.9	mg/Kg dry	1.83	ND	41.0		40-140	1.37		30	
4-Chloro-3-methylphenol	1.05	2.9	mg/Kg dry	1.83	ND	57.4		30-130	1.25		30	
2-Chloronaphthalene	0.926	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.88		30	
2-Chlorophenol	0.924	1.5	mg/Kg dry	1.83	ND	50.5		30-130	5.10		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
4-Chlorophenylphenylether	0.975	1.5	mg/Kg dry	1.83	ND	53.3		40-140	4.69		30	
Chrysene	15.1	0.75	mg/Kg dry	1.83	10.9	**229**	*	40-140	**39.0**	*	30	MS-09, R-06
Dibenz(a,h)anthracene	1.87	0.75	mg/Kg dry	1.83	1.38	**26.6**	*	40-140	21.0		30	MS-09
Dibenzofuran	1.45	1.5	mg/Kg dry	1.83	ND	79.1		40-140	24.6		30	
Di-n-butylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.3		40-140	3.35		30	
3,3-Dichlorobenzidine	0.821	0.75	mg/Kg dry	1.83	ND	44.9		40-140	9.02		30	
2,4-Dichlorophenol	1.03	1.5	mg/Kg dry	1.83	ND	56.2		30-130	4.07		30	
Diethylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.1		40-140	1.13		30	
2,4-Dimethylphenol	0.844	1.5	mg/Kg dry	1.83	ND	46.2		30-130	2.90		30	
Dimethylphthalate	1.01	1.5	mg/Kg dry	1.83	ND	55.4		40-140	1.01		30	
4,6-Dinitro-2-methylphenol	0.749	1.5	mg/Kg dry	1.83	ND	41.0		30-130			30	
2,4-Dinitrophenol	0.840	2.9	mg/Kg dry	1.83	ND	45.9		30-130			30	
2,4-Dinitrotoluene	0.881	1.5	mg/Kg dry	1.83	ND	48.2		40-140	0.497		30	
2,6-Dinitrotoluene	0.921	1.5	mg/Kg dry	1.83	ND	50.3		40-140	1.26		30	
Di-n-octylphthalate	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140	0.549		30	
Fluoranthene	39.0	0.75	mg/Kg dry	1.83	24.1	**810**	*	40-140	**56.8**	*	30	MS-09, R-06
Fluorene	1.53	0.75	mg/Kg dry	1.83	ND	83.7		40-140	29.0		30	
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.6		40-140	0.269		30	
Hexachlorobutadiene	1.03	1.5	mg/Kg dry	1.83	ND	56.6		40-140	5.64		30	
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140	NC		30	MS-09
Hexachloroethane	0.686	1.5	mg/Kg dry	1.83	ND	**37.5**	*	40-140	4.58		30	MS-09
Indeno(1,2,3-cd)pyrene	5.80	0.75	mg/Kg dry	1.83	5.57	**12.8**	*	40-140	**31.3**	*	30	MS-09, R-06
Isophorone	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140	1.08		30	
2-Methylnaphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.4		40-140	1.10		30	
2-Methylphenol	0.846	1.5	mg/Kg dry	1.83	ND	46.2		30-130	3.90		30	
3/4-Methylphenol	0.943	1.5	mg/Kg dry	1.83	ND	51.5		30-130	2.61		30	
Naphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.6		40-140	5.90		30	
2-Nitroaniline	1.16	1.5	mg/Kg dry	1.83	ND	63.3		40-140	2.74		30	
3-Nitroaniline	1.03	1.5	mg/Kg dry	1.83	ND	56.4		40-140	2.52		30	
4-Nitroaniline	1.15	1.5	mg/Kg dry	1.83	ND	62.8		40-140	4.69		30	
Nitrobenzene	1.14	1.5	mg/Kg dry	1.83	ND	62.2		40-140	4.34		30	
2-Nitrophenol	0.667	1.5	mg/Kg dry	1.83	ND	36.5		30-130	7.80		30	
4-Nitrophenol	1.24	2.9	mg/Kg dry	1.83	ND	67.8		30-130	0.949		30	
N-Nitrosodiphenylamine	1.16	1.5	mg/Kg dry	1.83	ND	63.4		40-140	5.64		30	
N-Nitrosodi-n-propylamine	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140	1.55		30	
Pentachloronitrobenzene	0.935	1.5	mg/Kg dry	1.83	ND	51.1		40-140	6.51		30	V-16
Pentachlorophenol	0.542	1.5	mg/Kg dry	1.83	ND	**29.6**	*	30-130	5.77		30	MS-08
Phenanthrene	20.0	0.75	mg/Kg dry	1.83	6.77	**721**	*	40-140	**79.2**	*	30	MS-08, R-06
Phenol	0.922	1.5	mg/Kg dry	1.83	ND	50.4		30-130	6.60		30	
Pyrene	37.9	0.75	mg/Kg dry	1.83	21.8	**879**	*	40-140	**52.2**	*	30	MS-09, R-06
Pyridine	0.634	1.5	mg/Kg dry	1.83	ND	**34.6**	*	40-140	13.6		30	MS-09
1,2,4,5-Tetrachlorobenzene	0.925	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.27		30	
1,2,4-Trichlorobenzene	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	2.30		30	
2,4,5-Trichlorophenol	0.907	1.5	mg/Kg dry	1.83	ND	49.6		30-130	5.34		30	
2,4,6-Trichlorophenol	0.899	1.5	mg/Kg dry	1.83	ND	49.1		30-130	10.3		30	
Surrogate: 2-Fluorophenol	*3.82*		mg/Kg dry	7.32		52.2		30-130				
Surrogate: Phenol-d6	*4.00*		mg/Kg dry	7.32		54.6		30-130				
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg dry	3.66		60.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.07*		mg/Kg dry	3.66		56.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.67*		mg/Kg dry	7.32		63.8		30-130				
Surrogate: p-Terphenyl-d14	*2.67*		mg/Kg dry	3.66		73.1		30-130				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C										
Blank (B185576-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		105	30-150			
LCS (B185576-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.1	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140			
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS Dup (B185576-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	6.46	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.67	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	9.91	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.5	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg wet	0.200		98.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C											
Matrix Spike (B185576-MS1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.32	0.46	mg/Kg dry	0.228	ND	139		40-140			
Aroclor-1016 [2C]	0.32	0.46	mg/Kg dry	0.228	ND	140		40-140			
Aroclor-1260	1.8	0.46	mg/Kg dry	0.228	1.7	46.8		40-140			MS-19
Aroclor-1260 [2C]	1.8	0.46	mg/Kg dry	0.228	1.7	41.5		40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg dry	0.228		80.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg dry	0.228		92.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.210*		mg/Kg dry	0.228		92.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.232*		mg/Kg dry	0.228		102		30-150			
Matrix Spike Dup (B185576-MSD1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.27	0.45	mg/Kg dry	0.226	ND	118		40-140	17.6	50	
Aroclor-1016 [2C]	0.30	0.45	mg/Kg dry	0.226	ND	132		40-140	6.89	50	
Aroclor-1260	1.4	0.45	mg/Kg dry	0.226	1.7	**-158**	*	40-140	28.9	50	MS-19
Aroclor-1260 [2C]	1.4	0.45	mg/Kg dry	0.226	1.7	**-154**	*	40-140	28.0	50	MS-19
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg dry	0.226		79.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg dry	0.226		98.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.226		86.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.226		96.0		30-150			
Batch B185577 - SW-846 3540C											
Blank (B185577-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17							
Aroclor-1016	ND	0.10	mg/Kg								
Aroclor-1016 [2C]	ND	0.10	mg/Kg								
Aroclor-1221	ND	0.10	mg/Kg								
Aroclor-1221 [2C]	ND	0.10	mg/Kg								
Aroclor-1232	ND	0.10	mg/Kg								
Aroclor-1232 [2C]	ND	0.10	mg/Kg								
Aroclor-1242	ND	0.10	mg/Kg								
Aroclor-1242 [2C]	ND	0.10	mg/Kg								
Aroclor-1248	ND	0.10	mg/Kg								
Aroclor-1248 [2C]	ND	0.10	mg/Kg								
Aroclor-1254	ND	0.10	mg/Kg								
Aroclor-1254 [2C]	ND	0.10	mg/Kg								
Aroclor-1260	ND	0.10	mg/Kg								
Aroclor-1260 [2C]	ND	0.10	mg/Kg								
Aroclor-1262	ND	0.10	mg/Kg								
Aroclor-1262 [2C]	ND	0.10	mg/Kg								
Aroclor-1268	ND	0.10	mg/Kg								
Aroclor-1268 [2C]	ND	0.10	mg/Kg								
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.12*		mg/Kg	1.00		112		30-150			
Surrogate: Tetrachloro-m-xylene	*0.888*		mg/Kg	1.00		88.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.941*		mg/Kg	1.00		94.1		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185577 - SW-846 3540C										
LCS (B185577-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.97	0.10	mg/Kg	1.00		96.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		104	40-140			
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		99.8	40-140			
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.22*		mg/Kg	1.00		122	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101	30-150			
LCS Dup (B185577-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		92.4	40-140	4.34	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		102	40-140	1.96	30	
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.7	40-140	1.61	30	
Aroclor-1260 [2C]	0.99	0.10	mg/Kg	1.00		98.8	40-140	1.02	30	
Surrogate: Decachlorobiphenyl	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.20*		mg/Kg	1.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185490 - SW-846 3546										
Blank (B185490-BLK1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.2	50-150			
LCS (B185490-BS1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.1	10	mg/Kg wet	33.3		69.3	60-120			
Surrogate: o-Terphenyl	*3.34*		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185490-BSD1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.0	10	mg/Kg wet	33.3		69.1	60-120	0.254	30	
Surrogate: o-Terphenyl	*3.11*		mg/Kg wet	3.33		93.2	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185230 - SW-846 7471										
Blank (B185230-BLK1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185230-BS1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	9.79	2.0	mg/Kg wet	9.36		105	73.7-126.3			
LCS Dup (B185230-BSD1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	11.2	1.9	mg/Kg wet	9.36		119	73.7-126.3	13.2	30	
Duplicate (B185230-DUP1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.123	0.028	mg/Kg dry		0.119			3.15	35	
Matrix Spike (B185230-MS1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.312	0.028	mg/Kg dry	0.186	0.119	104	75-125			
Batch B185527 - SW-846 3050B										
Blank (B185527-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185527-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.8	4.8	mg/Kg wet	146		44.4	0-210.3			
Arsenic	144	4.8	mg/Kg wet	157		91.7	77.8-122.1			
Barium	312	4.8	mg/Kg wet	339		92.1	82-117.4			
Beryllium	54.0	0.48	mg/Kg wet	58.3		92.7	82.3-117.7			
Cadmium	193	0.48	mg/Kg wet	216		89.3	81.9-118.2			
Chromium	82.1	0.96	mg/Kg wet	88.9		92.3	78.7-120.6			
Copper	173	0.96	mg/Kg wet	184		94.2	80.4-119.6			
Lead	87.7	1.4	mg/Kg wet	94.3		93.0	82.4-117.8			
Nickel	143	0.96	mg/Kg wet	154		92.8	82.2-117.8			
Selenium	184	9.6	mg/Kg wet	207		89.1	77.1-122.3			
Silver	40.7	0.96	mg/Kg wet	43.8		92.9	74.3-125.4			
Thallium	144	4.8	mg/Kg wet	167		86.3	78.2-121.6			
Vanadium	82.7	1.9	mg/Kg wet	100		82.7	64.8-135.2			
Zinc	201	1.9	mg/Kg wet	209		96.0	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185527 - SW-846 3050B										
LCS Dup (B185527-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.4	5.0	mg/Kg wet	146		44.1	0-210.3	0.641	30	
Arsenic	139	5.0	mg/Kg wet	157		88.5	77.8-122.1	3.60	30	
Barium	304	5.0	mg/Kg wet	339		89.5	82-117.4	2.82	30	
Beryllium	53.2	0.50	mg/Kg wet	58.3		91.2	82.3-117.7	1.63	30	
Cadmium	189	0.50	mg/Kg wet	216		87.7	81.9-118.2	1.76	30	
Chromium	79.5	1.0	mg/Kg wet	88.9		89.5	78.7-120.6	3.14	30	
Copper	170	1.0	mg/Kg wet	184		92.6	80.4-119.6	1.71	30	
Lead	87.2	1.5	mg/Kg wet	94.3		92.4	82.4-117.8	0.599	30	
Nickel	139	1.0	mg/Kg wet	154		90.3	82.2-117.8	2.69	30	
Selenium	177	10	mg/Kg wet	207		85.3	77.1-122.3	4.30	30	
Silver	40.0	1.0	mg/Kg wet	43.8		91.4	74.3-125.4	1.69	30	
Thallium	141	5.0	mg/Kg wet	167		84.6	78.2-121.6	1.99	30	
Vanadium	81.7	2.0	mg/Kg wet	100		81.7	64.8-135.2	1.26	30	
Zinc	196	2.0	mg/Kg wet	209		93.8	79.7-120.8	2.31	30	
MRL Check (B185527-MRL1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Lead	0.901	0.75	mg/Kg wet	0.750		120	80-120			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185325 - % Solids										
Duplicate (B185325-DUP3)		**Source: 17H1544-01**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	85.1		% Wt		87.8			3.12	20	
Duplicate (B185325-DUP4)		**Source: 17H1544-02**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	59.0		% Wt		60.2			2.01	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-26

Lab Sample ID: 17H1544-01

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-27

Lab Sample ID: 17H1544-02

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	4.9	2.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-28

Lab Sample ID: 17H1544-03

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.26	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-29

Lab Sample ID: 17H1544-04

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.40	0.0
Aroclor-1268	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.13	26.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-30

Lab Sample ID: 17H1544-05

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.46	
	2	0.000	-0.030	0.030	0.43	6.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-31

Lab Sample ID: 17H1544-06

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.8	
	2	0.000	-0.030	0.030	9.2	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SE-6

Lab Sample ID: 17H1544-07

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	7.5	
	2	0.000	-0.030	0.030	7.1	5.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-16

Lab Sample ID: 17H1544-08

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2300	
	2	0.000	-0.030	0.030	2100	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-17

Lab Sample ID: 17H1544-09

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	13	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AS-AOC8-SE-18

Lab Sample ID: 17H1544-10

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-19

Lab Sample ID: 17H1544-11

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.4	6.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-24

Lab Sample ID: 17H1544-12

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.32	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-26

Lab Sample ID: 17H1544-13

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	1.1	13.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-27

Lab Sample ID: 17H1544-14

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.93	9.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-29

Lab Sample ID: 17H1544-15

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-16

Lab Sample ID: 17H1544-16

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1700	
	2	0.000	0.000	0.000	1800	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-17

Lab Sample ID: 17H1544-17

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.7	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-18

Lab Sample ID: 17H1544-18

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-19

Lab Sample ID: 17H1544-19

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.79	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-Dup1

Lab Sample ID: 17H1544-20 Date(s) Analyzed: 09/10/2017 09/10/2017

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

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

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

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
MS-08	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME

con-test® ANALYTICAL LABORATORY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
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

17H1544

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	RSR 15 Metals	SVOCs	VOCs
1	WS-AOC13-SE-26	8/29/17	0900		X	S	U	X	X	X	X	X
2	WS-AOC13-SE-27		0930					X	X	X	X	X
3	WS-AOC13-SE-28		0945					X	X	X	X	X
4	WS-AOC13-SE-29		1000					X	X	X	X	X
5	WS-AOC13-SE-30		1015					X	X	X	X	X
6	WS-AOC13-SE-31		1030					X	X	X	X	X
7	WS-AOC3-SE-6		1045					X	X	X	X	X
8	WS-AOC8-SE-16		1200					X	X	X	X	X
9	WS-AOC8-SE-17		1215					X	X	X	X	X
10	WS-AOC8-SE-18		1230					X	X	X	X	X

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1720
Relinquished by: (signature)	Date/Time: 8/29/17 530
Received by: (signature) 2-4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information 8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

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17H1544

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	RCRA 15 metals	SVOCs	VOCs						# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC8-SE-19	8/29/17	1245		X	S	U	X	X	X	X	X								
12	WS-AOC8-SE-24		1300		X	S	U	X	X	X	X	X								
13	WS-AOC13-Co-26		910			O		X												
14	WS-AOC13-Co-27		940					X												
15	WS-AOC13-Co-29		1005					X												
16	WS-AOC8-Co-16		1205					X												
17	WS-AOC8-Co-17		1220					X												
18	WS-AOC8-Co-18		1235					X												
19	WS-AOC8-Co-19		1250					X												
20	WS-AOC13-SE-Dup1		—			S		X	X	X	X	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1421
Relinquished by: (signature)	Date/Time: 8/29/17 5:24
Received by: (signature) 2.4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 8/29/17 Time 1730

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct from Sampling ___ Ambient ___ Melted Ice ___

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.4
By Blank # ___ Actual Temp - ___

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	26
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	7
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	26	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/29/17 1730	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

D:\HPCHEM\1\DATA\A090817\A0908004.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908004.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	541174	590138	-8
c - 10	1.64	549205	590138	-7
c - 12	2.37	570790	590138	-3
c - 14	3.04	588545	590138	0
c - 16	3.65	606275	590138	3
c - 18	4.29	603163	590138	2
o-Terphenyl	4.57	671009	590138	
c - 20	4.89	614278	590138	4
c - 22	5.40	628020	590138	6
c - 24	5.83	588777	590138	0
c - 26	6.23	620968	590138	5
c - 28	6.59	612017	590138	4
c - 30	6.92	601286	590138	2
c - 32	7.24	579458	590138	-2
c - 34	7.53	575320	590138	-3
c - 36	7.87	572788	590138	-3

* One compound allowed %D <= 50%

Samples

17H1660-05@10X
17H1544-02@10X

D:\HPCHEM\1\DATA\A090717.SEC\A0907051.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/7/17
Data File Name	A0907051.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	492390	513022	-4
c - 10	1.62	497817	513022	-3
c - 12	2.34	511550	513022	0
c - 14	3.01	521030	513022	2
c - 16	3.61	531350	513022	4
c - 18	4.23	523098	513022	2
o-Terphenyl	4.51	581697	513022	
c - 20	4.83	527200	513022	3
c - 22	5.34	533805	513022	4
c - 24	5.77	500511	513022	-2
c - 26	6.17	522595	513022	2
c - 28	6.52	515407	513022	0
c - 30	6.86	512082	513022	0
c - 32	7.17	498488	513022	-3
c - 34	7.46	502952	513022	-2
c - 36	7.77	505050	513022	-2

* One compound allowed %D <= 50%

Samples

17H1544-01@20X
17H1544-03@50X
17H1544-04@50X
17H1544-05@50X
17H1544-06@50X
17H1544-07@50X
17H1544-08@50X
17H1544-09@50X
17H1544-10@50X
17H1544-12@50X
17H1544-20@20X

D:\HPCHEM\1\DATA\A090717.SEC\A0907107.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0907107.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	633604	668690	-5
c - 10	1.63	642603	668690	-4
c - 12	2.35	661457	668690	-1
c - 14	3.01	675114	668690	1
c - 16	3.61	691044	668690	3
c - 18	4.23	682814	668690	2
o-Terphenyl	4.51	760564	668690	
c - 20	4.83	689419	668690	3
c - 22	5.34	698070	668690	4
c - 24	5.77	652285	668690	-2
c - 26	6.17	681611	668690	2
c - 28	6.52	673200	668690	1
c - 30	6.86	670545	668690	0
c - 32	7.16	656318	668690	-2
c - 34	7.46	660463	668690	-1
c - 36	7.77	661808	668690	-1

* One compound allowed %D <= 50%

Samples

17H1579-01RE1
17H1544-11
17H1621-18@20X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H1544

Laboratory Sample ID(s):

17H1544-01 thru 17H1544-20

Sample Date(s):

08/29/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

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

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

Printed Name: **Lisa A. Worthington** **Date:** **09/12/17**

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

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

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

September 14, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1675

Enclosed are results of analyses for samples received by the laboratory on September 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

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

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

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

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

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

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

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

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

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Equipment Blank-58	17H1675-17	Equipment Blank Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

con-test® ANALYTICAL LABORATORY

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CASE NARRATIVE SUMMARY

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

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

SW-846 6010C-D

Qualifications:

DL-04

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

Analyte & Samples(s) Qualified:

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

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

SW-846 8082A

Qualifications:

S-01

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

Analyte & Samples(s) Qualified:

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

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

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

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

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
B185788-BS1

V-16

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

Analyte & Samples(s) Qualified:

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

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
B185788-BS1

SW-846 8270D

Qualifications:

E

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

Analyte & Samples(s) Qualified:

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

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

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L-04

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

Analyte & Samples(s) Qualified:

4-Chloroaniline

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

RL-03

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

Analyte & Samples(s) Qualified:

Bis(2-Ethylhexyl)phthalate

17H1675-17[Equipment Blank-58]

Hexachlorobenzene

17H1675-17[Equipment Blank-58]

Pentachlorophenol

17H1675-17[Equipment Blank-58]

V-05

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene

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

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

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

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

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

SW-846 8260C

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

SW-846 8270D

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

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

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

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

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

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1260 [2]	0.17	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB

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

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1260 [2]	0.24	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB

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

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1260 [2]	0.21	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB

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

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1260 [2]	0.61	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1221 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1232 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1242 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1248 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1254 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1260 [1]	6.2	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1262 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1268 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1260 [2]	0.32	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1260 [1]	0.14	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1260 [2]	0.096	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1260 [1]	0.86	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1260 [2]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1260 [2]	0.31	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1260 [1]	0.27	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

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

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

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

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1254 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1260 [1]	2.4	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

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

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

Metals Analyses (Total)

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.3		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1221 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1232 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1242 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1248 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1254 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1260 [2]	430	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1262 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1268 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.6		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

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

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

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

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

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

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

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

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/7/17	9/12/17 19:15	SCS

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

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

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

Date Received: 9/1/2017

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

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

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

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

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185980	30.0	1.00	09/12/17

Prep Method: SW-846 3510C-CTDEP ETPH

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

Prep Method: % Solids-SM 2540G

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

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185638	1.00	50.0	09/06/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185847	50.0	50.0	09/08/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185607	6.00	6.00	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185635	0.604	50.0	09/06/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-01 [WS-AOC13-SO-33]	B185858	10.3	10.0	09/08/17
17H1675-02 [WS-AOC13-SO-34]	B185858	10.4	10.0	09/08/17
17H1675-03 [WS-AOC13-SO-35]	B185858	10.3	10.0	09/08/17
17H1675-04 [WS-AOC13-SO-36]	B185858	10.4	10.0	09/08/17
17H1675-05 [WS-AOC13-SO-37]	B185858	10.2	10.0	09/08/17
17H1675-06 [WS-AOC13-SO-38]	B185858	10.0	10.0	09/08/17
17H1675-07 [WS-AOC13-SO-39]	B185858	10.0	10.0	09/08/17
17H1675-08 [WS-AOC7-SO-17-0]	B185858	10.0	10.0	09/08/17
17H1675-09 [WS-AOC7-SO-18-0]	B185858	10.3	10.0	09/08/17
17H1675-10 [WS-AOC7-SO-19-0]	B185858	10.4	10.0	09/08/17
17H1675-11 [WS-AOC7-SO-20-0]	B185858	10.1	10.0	09/08/17
17H1675-12 [WS-AOC8-SO-3-0]	B185858	10.0	10.0	09/08/17
17H1675-13 [WS-AOC9-SO-45-0]	B185858	10.1	10.0	09/08/17
17H1675-14 [WS-AOC8-SE-25]	B185858	10.1	10.0	09/08/17
17H1675-15 [WS-AOC10-SE-15]	B185858	10.3	10.0	09/08/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185770	950	9.00	09/07/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185515	5.92	10.0	09/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-16 [Trip Blank]	B185582	5.00	10.0	09/06/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185788	5	5.00	09/08/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17
17H1675-14RE1 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185689	1000	1.00	09/07/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185949	1000	1.00	09/07/17

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185515 - SW-846 5035										
Blank (B185515-BLK1)				Prepared & Analyzed: 09/05/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185515 - SW-846 5035										
Blank (B185515-BLK1)				Prepared & Analyzed: 09/05/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0582*		mg/Kg wet	0.0500		116	70-130			
Surrogate: Toluene-d8	*0.0530*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0511*		mg/Kg wet	0.0500		102	70-130			
LCS (B185515-BS1)				Prepared & Analyzed: 09/05/17						
Acetone	0.197	0.10	mg/Kg wet	0.200		98.4	70-130			
Acrylonitrile	0.0233	0.0060	mg/Kg wet	0.0200		117	70-130			
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
Bromobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.5	70-130			
Bromodichloromethane	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
Bromomethane	0.0207	0.010	mg/Kg wet	0.0200		103	70-130			
2-Butanone (MEK)	0.225	0.040	mg/Kg wet	0.200		113	70-130			
n-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
sec-Butylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
Carbon Disulfide	0.229	0.0060	mg/Kg wet	0.200		114	70-130			
Carbon Tetrachloride	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130			
Chlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Chloroethane	0.0183	0.020	mg/Kg wet	0.0200		91.6	70-130			
Chloroform	0.0192	0.0040	mg/Kg wet	0.0200		95.9	70-130			
Chloromethane	0.0220	0.010	mg/Kg wet	0.0200		110	70-130			
2-Chlorotoluene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
4-Chlorotoluene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dibromoethane (EDB)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Dibromomethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,2-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
trans-1,4-Dichloro-2-butene	0.0189	0.0040	mg/Kg wet	0.0200		94.5	70-130			
Dichlorodifluoromethane (Freon 12)	0.0185	0.020	mg/Kg wet	0.0200		92.3	70-130			
1,1-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichloroethane	0.0235	0.0020	mg/Kg wet	0.0200		117	70-130			
1,1-Dichloroethylene	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185515 - SW-846 5035										
LCS (B185515-BS1)				Prepared & Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
trans-1,2-Dichloroethylene	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130			
1,2-Dichloropropane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,3-Dichloropropane	0.0191	0.0010	mg/Kg wet	0.0200		95.5	70-130			
2,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,1-Dichloropropene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
cis-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130			
trans-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
Ethylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
Hexachlorobutadiene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
2-Hexanone (MBK)	0.212	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		98.1	70-130			
Methylene Chloride	0.0228	0.020	mg/Kg wet	0.0200		114	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0173	0.0040	mg/Kg wet	0.0200		86.3	70-130			
n-Propylbenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130			
Styrene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
1,1,1,2-Tetrachloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		79.2	70-130			V-16
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
1,2,3-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,2,4-Trichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
1,1,1-Trichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,2-Trichloroethane	0.0180	0.0020	mg/Kg wet	0.0200		89.8	70-130			
Trichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
Trichlorofluoromethane (Freon 11)	0.0255	0.010	mg/Kg wet	0.0200		128	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0233	0.010	mg/Kg wet	0.0200		117	70-130			
1,2,4-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
Vinyl Chloride	0.0202	0.010	mg/Kg wet	0.0200		101	70-130			
m+p Xylene	0.0368	0.0040	mg/Kg wet	0.0400		92.0	70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0555*		mg/Kg wet	0.0500		111	70-130			
Surrogate: Toluene-d8	*0.0527*		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/Kg wet	0.0500		99.1	70-130			
Batch B185582 - SW-846 5035										
Blank (B185582-BLK1)				Prepared & Analyzed: 09/06/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185582 - SW-846 5035										
Blank (B185582-BLK1)				Prepared & Analyzed: 09/06/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185582 - SW-846 5035											
Blank (B185582-BLK1)				Prepared & Analyzed: 09/06/17							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0474*		mg/Kg wet	0.0500		94.9		70-130			
Surrogate: Toluene-d8	*0.0480*		mg/Kg wet	0.0500		96.1		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0457*		mg/Kg wet	0.0500		91.3		70-130			
LCS (B185582-BS1)				Prepared & Analyzed: 09/06/17							
Acetone	0.136	0.10	mg/Kg wet	0.200		**68.0**	*	70-130			
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.3		70-130			
Benzene	0.0203	0.0020	mg/Kg wet	0.0200		101		70-130			
Bromobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
Bromodichloromethane	0.0229	0.0020	mg/Kg wet	0.0200		114		70-130			
Bromoform	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130			
Bromomethane	0.0232	0.010	mg/Kg wet	0.0200		116		70-130			
2-Butanone (MEK)	0.171	0.040	mg/Kg wet	0.200		85.5		70-130			
n-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.5		70-130			
sec-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.7		70-130			
tert-Butylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102		70-130			
Carbon Tetrachloride	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Chlorobenzene	0.0227	0.0020	mg/Kg wet	0.0200		114		70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108		70-130			
Chloroethane	0.0202	0.020	mg/Kg wet	0.0200		101		70-130			
Chloroform	0.0208	0.0040	mg/Kg wet	0.0200		104		70-130			
Chloromethane	0.0197	0.010	mg/Kg wet	0.0200		98.7		70-130			
2-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130			
4-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0190	0.0020	mg/Kg wet	0.0200		95.1		70-130			
1,2-Dibromoethane (EDB)	0.0217	0.0010	mg/Kg wet	0.0200		108		70-130			
Dibromomethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
1,2-Dichlorobenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
1,3-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
1,4-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130			
trans-1,4-Dichloro-2-butene	0.0188	0.0040	mg/Kg wet	0.0200		93.9		70-130			
Dichlorodifluoromethane (Freon 12)	0.0212	0.020	mg/Kg wet	0.0200		106		70-130			
1,1-Dichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
1,2-Dichloroethane	0.0229	0.0020	mg/Kg wet	0.0200		115		70-130			
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		99.5		70-130			
cis-1,2-Dichloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		106		70-130			
trans-1,2-Dichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
1,3-Dichloropropane	0.0218	0.0010	mg/Kg wet	0.0200		109		70-130			
2,2-Dichloropropane	0.0177	0.0020	mg/Kg wet	0.0200		88.7		70-130			
1,1-Dichloropropene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130			
cis-1,3-Dichloropropene	0.0215	0.0010	mg/Kg wet	0.0200		107		70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.6		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185582 - SW-846 5035										
LCS (B185582-BS1)				Prepared & Analyzed: 09/06/17						
Ethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
Hexachlorobutadiene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
2-Hexanone (MBK)	0.191	0.020	mg/Kg wet	0.200		95.7	70-130			
Isopropylbenzene (Cumene)	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0189	0.0040	mg/Kg wet	0.0200		94.4	70-130			
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		108	70-130			
4-Methyl-2-pentanone (MIBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Naphthalene	0.0165	0.0040	mg/Kg wet	0.0200		82.3	70-130			
n-Propylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Styrene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,1,1,2-Tetrachloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2,2-Tetrachloroethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Tetrachloroethylene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
Tetrahydrofuran	0.0201	0.010	mg/Kg wet	0.0200		101	70-130			
Toluene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,2,4-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,1,1-Trichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,1,2-Trichloroethane	0.0233	0.0020	mg/Kg wet	0.0200		116	70-130			
Trichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
Trichlorofluoromethane (Freon 11)	0.0222	0.010	mg/Kg wet	0.0200		111	70-130			
1,2,3-Trichloropropane	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0211	0.010	mg/Kg wet	0.0200		106	70-130			
1,2,4-Trimethylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,3,5-Trimethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		94.1	70-130			
m+p Xylene	0.0427	0.0040	mg/Kg wet	0.0400		107	70-130			
o-Xylene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0457*		mg/Kg wet	0.0500		91.4	70-130			
Surrogate: Toluene-d8	*0.0471*		mg/Kg wet	0.0500		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/Kg wet	0.0500		97.3	70-130			
Batch B185788 - SW-846 5030B										
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	5.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17						
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B											
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17							
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/L	25.0		118		70-130			
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130			
LCS (B185788-BS1)				Prepared & Analyzed: 09/08/17							
Acetone	86.8	10	µg/L	100		86.8		70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102		70-130			
Benzene	11.0	0.50	µg/L	10.0		110		70-130			
Bromobenzene	10.3	0.50	µg/L	10.0		103		70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.0		116		70-130			
Bromoform	9.84	0.50	µg/L	10.0		98.4		70-130			
Bromomethane	11.7	5.0	µg/L	10.0		117		70-130			
2-Butanone (MEK)	95.2	5.0	µg/L	100		95.2		70-130			
n-Butylbenzene	11.6	1.0	µg/L	10.0		116		70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110		70-130			
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112		70-130			
Carbon Disulfide	121	5.0	µg/L	100		121		70-130			
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130			
Chlorobenzene	10.2	0.50	µg/L	10.0		102		70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111		70-130			
Chloroethane	9.80	0.50	µg/L	10.0		98.0		70-130			
Chloroform	11.6	0.50	µg/L	10.0		116		70-130			
Chloromethane	7.70	0.60	µg/L	10.0		77.0		70-130			
2-Chlorotoluene	10.9	0.50	µg/L	10.0		109		70-130			
4-Chlorotoluene	10.9	0.50	µg/L	10.0		109		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.9	1.0	µg/L	10.0		119		70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106		70-130			
Dibromomethane	11.1	0.50	µg/L	10.0		111		70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0		101		70-130			
1,3-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
1,4-Dichlorobenzene	10.0	0.50	µg/L	10.0		100		70-130			
trans-1,4-Dichloro-2-butene	10.0	2.0	µg/L	10.0		100		70-130			
Dichlorodifluoromethane (Freon 12)	11.9	0.50	µg/L	10.0		119		70-130			
1,1-Dichloroethane	10.8	0.50	µg/L	10.0		108		70-130			
1,2-Dichloroethane	11.9	0.50	µg/L	10.0		119		70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130			
cis-1,2-Dichloroethylene	11.0	0.50	µg/L	10.0		110		70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109		70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110		70-130			
2,2-Dichloropropane	13.9	0.50	µg/L	10.0		**139**	*	70-130			L-01, V-20
1,1-Dichloropropene	11.8	0.50	µg/L	10.0		118		70-130			
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130			
trans-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117		70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130			
Hexachlorobutadiene	12.5	0.60	µg/L	10.0		125		70-130			
2-Hexanone (MBK)	99.6	5.0	µg/L	100		99.6		70-130			
Isopropylbenzene (Cumene)	10.4	0.50	µg/L	10.0		104		70-130			
p-Isopropyltoluene (p-Cymene)	11.3	0.50	µg/L	10.0		113		70-130			
Methyl tert-Butyl Ether (MTBE)	11.5	0.50	µg/L	10.0		115		70-130			
Methylene Chloride	9.44	5.0	µg/L	10.0		94.4		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
LCS (B185788-BS1)				Prepared & Analyzed: 09/08/17						
4-Methyl-2-pentanone (MIBK)	98.9	5.0	µg/L	100		98.9	70-130			
Naphthalene	9.28	2.0	µg/L	10.0		92.8	70-130			
n-Propylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	8.44	10	µg/L	10.0		84.4	70-130			
Toluene	10.9	1.0	µg/L	10.0		109	70-130			
1,2,3-Trichlorobenzene	10.6	2.0	µg/L	10.0		106	70-130			
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124	70-130			
1,1,2-Trichloroethane	10.7	0.50	µg/L	10.0		107	70-130			
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130			
1,2,3-Trichloropropane	11.6	0.50	µg/L	10.0		116	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	0.50	µg/L	10.0		112	70-130			
1,2,4-Trimethylbenzene	10.9	0.50	µg/L	10.0		109	70-130			
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Vinyl Chloride	9.03	1.0	µg/L	10.0		90.3	70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	*26.1*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B185658 - SW-846 3546												
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17								
4-Nitrophenol	ND	0.66	mg/Kg wet									
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet									
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet									
Pentachloronitrobenzene	ND	0.34	mg/Kg wet								V-16	
Pentachlorophenol	ND	0.34	mg/Kg wet									
Phenanthrene	ND	0.17	mg/Kg wet									
Phenol	ND	0.34	mg/Kg wet									
Pyrene	ND	0.17	mg/Kg wet									
Pyridine	ND	0.34	mg/Kg wet									
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet									
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet									
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet									
Surrogate: 2-Fluorophenol	*4.34*		mg/Kg wet	6.67		65.2		30-130				
Surrogate: Phenol-d6	*4.66*		mg/Kg wet	6.67		69.9		30-130				
Surrogate: Nitrobenzene-d5	*2.27*		mg/Kg wet	3.33		68.1		30-130				
Surrogate: 2-Fluorobiphenyl	*2.41*		mg/Kg wet	3.33		72.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*7.14*		mg/Kg wet	6.67		107		30-130				
Surrogate: p-Terphenyl-d14	*3.28*		mg/Kg wet	3.33		98.5		30-130				
LCS (B185658-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17								
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.6		40-140				
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.0		40-140				
Aniline	0.727	0.34	mg/Kg wet	1.67		43.6		40-140				†
Anthracene	1.13	0.17	mg/Kg wet	1.67		67.9		40-140				
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		71.9		40-140				
Benzo(a)pyrene	1.18	0.17	mg/Kg wet	1.67		70.9		40-140				
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8		40-140				
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7		40-140				
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0		40-140				
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.0		40-140				
Bis(2-chloroethyl)ether	1.08	0.34	mg/Kg wet	1.67		64.8		40-140				
Bis(2-chloroisopropyl)ether	1.18	0.34	mg/Kg wet	1.67		70.9		40-140				
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		71.0		40-140				
4-Bromophenylphenylether	1.34	0.34	mg/Kg wet	1.67		80.1		40-140				
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		74.0		40-140				
Carbazole	1.11	0.17	mg/Kg wet	1.67		66.8		40-140				
4-Chloroaniline	0.586	0.66	mg/Kg wet	1.67		**35.2**	*	40-140			L-04	†
4-Chloro-3-methylphenol	1.25	0.66	mg/Kg wet	1.67		75.2		30-130				
2-Chloronaphthalene	1.13	0.34	mg/Kg wet	1.67		68.0		40-140				
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3		30-130				
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.7		40-140				
Chrysene	1.12	0.17	mg/Kg wet	1.67		67.4		40-140				
Dibenz(a,h)anthracene	1.01	0.17	mg/Kg wet	1.67		60.5		40-140				
Dibenzofuran	1.18	0.34	mg/Kg wet	1.67		70.6		40-140				
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		68.9		40-140				
3,3-Dichlorobenzidine	1.19	0.17	mg/Kg wet	1.67		71.3		40-140				†
2,4-Dichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.8		30-130				
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.7		40-140				
2,4-Dimethylphenol	1.22	0.34	mg/Kg wet	1.67		73.3		30-130				
Dimethylphthalate	1.26	0.34	mg/Kg wet	1.67		75.5		40-140				
4,6-Dinitro-2-methylphenol	0.841	0.34	mg/Kg wet	1.67		50.5		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
LCS (B185658-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
2,4-Dinitrophenol	0.627	0.66	mg/Kg wet	1.67		37.6	30-130			
2,4-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.4	40-140			
2,6-Dinitrotoluene	1.33	0.34	mg/Kg wet	1.67		80.0	40-140			
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.3	40-140			
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Fluorene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Hexachlorobenzene	1.43	0.34	mg/Kg wet	1.67		85.9	40-140			
Hexachlorobutadiene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140			
Hexachlorocyclopentadiene	0.821	0.34	mg/Kg wet	1.67		49.3	30-140			V-05
Hexachloroethane	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.8	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140			
2-Methylphenol	1.07	0.34	mg/Kg wet	1.67		64.3	30-130			
3/4-Methylphenol	1.17	0.34	mg/Kg wet	1.67		70.3	30-130			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.6	40-140			
3-Nitroaniline	1.02	0.34	mg/Kg wet	1.67		61.1	40-140			†
4-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		72.2	40-140			
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140			
2-Nitrophenol	1.14	0.34	mg/Kg wet	1.67		68.5	30-130			
4-Nitrophenol	1.66	0.66	mg/Kg wet	1.67		99.4	10-130			
N-Nitrosodiphenylamine	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
N-Nitrosodi-n-propylamine	1.21	0.34	mg/Kg wet	1.67		72.7	40-140			
Pentachloronitrobenzene	1.43	0.34	mg/Kg wet	1.67		85.7	40-140			V-16
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.67		60.3	30-130			
Phenanthrene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140			
Phenol	1.21	0.34	mg/Kg wet	1.67		72.6	20-130			
Pyrene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Pyridine	0.665	0.34	mg/Kg wet	1.67		39.9	10-140			†
1,2,4,5-Tetrachlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.9	40-140			
1,2,4-Trichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.6	40-140			
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.1	30-130			
2,4,6-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.9	30-130			
Surrogate: 2-Fluorophenol	*5.00*		mg/Kg wet	6.67		75.1	30-130			
Surrogate: Phenol-d6	*5.23*		mg/Kg wet	6.67		78.4	30-130			
Surrogate: Nitrobenzene-d5	*2.56*		mg/Kg wet	3.33		76.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.61*		mg/Kg wet	3.33		78.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*7.30*		mg/Kg wet	6.67		110	30-130			
Surrogate: p-Terphenyl-d14	*2.92*		mg/Kg wet	3.33		87.5	30-130			
LCS Dup (B185658-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140	1.16	30	
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	0.190	30	
Aniline	0.714	0.34	mg/Kg wet	1.67		42.8	40-140	1.90	50	† ‡
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	3.36	30	
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.4	40-140	2.08	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	1.76	30	
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	0.993	30	
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	0.0335	30	
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	0.352	30	
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.2	40-140	0.293	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B185658 - SW-846 3546												
LCS Dup (B185658-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17								
Bis(2-chloroethyl)ether	1.14	0.34	mg/Kg wet	1.67		68.1		40-140	5.03	30		
Bis(2-chloroisopropyl)ether	1.21	0.34	mg/Kg wet	1.67		72.5		40-140	2.29	30		
Bis(2-Ethylhexyl)phthalate	1.19	0.34	mg/Kg wet	1.67		71.2		40-140	0.309	30		
4-Bromophenylphenylether	1.30	0.34	mg/Kg wet	1.67		78.3		40-140	2.35	30		
Butylbenzylphthalate	1.22	0.34	mg/Kg wet	1.67		73.0		40-140	1.31	30		
Carbazole	1.08	0.17	mg/Kg wet	1.67		64.6		40-140	3.41	30		
4-Chloroaniline	0.576	0.66	mg/Kg wet	1.67		**34.5**	*	40-140	1.84	30	L-04	†
4-Chloro-3-methylphenol	1.24	0.66	mg/Kg wet	1.67		74.5		30-130	0.935	30		
2-Chloronaphthalene	1.12	0.34	mg/Kg wet	1.67		67.3		40-140	1.00	30		
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.4		30-130	0.117	30		
4-Chlorophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.0		40-140	5.02	30		
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.5		40-140	1.35	30		
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.1		40-140	7.36	30		
Dibenzofuran	1.17	0.34	mg/Kg wet	1.67		70.2		40-140	0.483	30		
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0		40-140	0.203	30		
3,3-Dichlorobenzidine	1.27	0.17	mg/Kg wet	1.67		76.0		40-140	6.38	30		† ‡
2,4-Dichlorophenol	1.25	0.34	mg/Kg wet	1.67		75.2		30-130	0.742	30		
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.4		40-140	0.456	30		
2,4-Dimethylphenol	1.19	0.34	mg/Kg wet	1.67		71.2		30-130	2.88	30		
Dimethylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5		40-140	2.71	50		
4,6-Dinitro-2-methylphenol	0.802	0.34	mg/Kg wet	1.67		48.1		30-130	4.71	50		
2,4-Dinitrophenol	0.583	0.66	mg/Kg wet	1.67		35.0		30-130	7.22	50		
2,4-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		77.0		40-140	3.07	30		
2,6-Dinitrotoluene	1.31	0.34	mg/Kg wet	1.67		78.9		40-140	1.36	30		
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.5		40-140	0.275	30		
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.7		40-140	1.64	30		
Fluorene	1.11	0.17	mg/Kg wet	1.67		66.5		40-140	2.29	30		
Hexachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.4		40-140	2.91	30		
Hexachlorobutadiene	1.21	0.34	mg/Kg wet	1.67		72.4		40-140	1.25	30		
Hexachlorocyclopentadiene	0.828	0.34	mg/Kg wet	1.67		49.7		30-140	0.809	50	V-05	
Hexachloroethane	1.08	0.34	mg/Kg wet	1.67		64.9		40-140	1.99	50		
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6		40-140	0.384	50		
Isophorone	1.28	0.34	mg/Kg wet	1.67		77.1		40-140	0.390	30		
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.6		40-140	1.83	30		
2-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.9		30-130	2.55	30		
3/4-Methylphenol	1.20	0.34	mg/Kg wet	1.67		71.8		30-130	2.17	30		
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.3		40-140	1.35	30		
2-Nitroaniline	1.31	0.34	mg/Kg wet	1.67		78.5		40-140	2.59	30		
3-Nitroaniline	0.939	0.34	mg/Kg wet	1.67		56.4		40-140	8.01	30		†
4-Nitroaniline	1.15	0.34	mg/Kg wet	1.67		69.0		40-140	4.50	30		
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.2		40-140	0.336	30		
2-Nitrophenol	1.17	0.34	mg/Kg wet	1.67		70.4		30-130	2.62	30		
4-Nitrophenol	1.60	0.66	mg/Kg wet	1.67		96.0		10-130	3.44	50		‡
N-Nitrosodiphenylamine	1.44	0.34	mg/Kg wet	1.67		86.4		40-140	3.50	30		
N-Nitrosodi-n-propylamine	1.23	0.34	mg/Kg wet	1.67		74.0		40-140	1.85	30		
Pentachloronitrobenzene	1.40	0.34	mg/Kg wet	1.67		84.1		40-140	1.91	30	V-16	
Pentachlorophenol	0.967	0.34	mg/Kg wet	1.67		58.0		30-130	3.86	50		
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.0		40-140	3.81	30		
Phenol	1.21	0.34	mg/Kg wet	1.67		72.5		20-130	0.0827	30		
Pyrene	1.15	0.17	mg/Kg wet	1.67		69.1		40-140	2.66	30		
Pyridine	0.657	0.34	mg/Kg wet	1.67		39.4		10-140	1.16	50		†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9		40-140	2.88	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
LCS Dup (B185658-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
1,2,4-Trichlorobenzene	1.22	0.34	mg/Kg wet	1.67		73.2	40-140	0.823	30	
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.4	30-130	0.323	30	
2,4,6-Trichlorophenol	1.20	0.34	mg/Kg wet	1.67		72.2	30-130	2.33	50	
Surrogate: 2-Fluorophenol	*5.14*		mg/Kg wet	6.67		77.1	30-130			
Surrogate: Phenol-d6	*5.30*		mg/Kg wet	6.67		79.5	30-130			
Surrogate: Nitrobenzene-d5	*2.67*		mg/Kg wet	3.33		80.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.67*		mg/Kg wet	3.33		80.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*7.25*		mg/Kg wet	6.67		109	30-130			
Surrogate: p-Terphenyl-d14	*2.90*		mg/Kg wet	3.33		87.1	30-130			
Batch B185689 - SW-846 3510C										
Blank (B185689-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185689 - SW-846 3510C											
Blank (B185689-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17							
Pentachloronitrobenzene	ND	10	µg/L							V-16	
Pentachlorophenol	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*84.5*		µg/L	200		42.3	15-110				
Surrogate: Phenol-d6	*52.2*		µg/L	200		26.1	15-110				
Surrogate: Nitrobenzene-d5	*71.0*		µg/L	100		71.0	30-130				
Surrogate: 2-Fluorobiphenyl	*70.4*		µg/L	100		70.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*161*		µg/L	200		80.7	15-110				
Surrogate: p-Terphenyl-d14	*87.1*		µg/L	100		87.1	30-130				
LCS (B185689-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17							
Aniline	57.9	5.0	µg/L	100		57.9	40-140				†
Bis(2-chloroethoxy)methane	69.3	10	µg/L	100		69.3	40-140				
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140				
Bis(2-chloroisopropyl)ether	60.8	10	µg/L	100		60.8	40-140				
Bis(2-Ethylhexyl)phthalate	86.7	10	µg/L	100		86.7	40-140				
4-Bromophenylphenylether	74.9	10	µg/L	100		74.9	40-140				
Butylbenzylphthalate	80.6	10	µg/L	100		80.6	40-140				
Carbazole	72.6	10	µg/L	100		72.6	40-140				
4-Chloroaniline	71.6	10	µg/L	100		71.6	40-140				†
4-Chloro-3-methylphenol	74.0	10	µg/L	100		74.0	30-130				
2-Chloronaphthalene	58.8	10	µg/L	100		58.8	40-140				
2-Chlorophenol	61.9	10	µg/L	100		61.9	30-130				
4-Chlorophenylphenylether	71.4	10	µg/L	100		71.4	40-140				
Dibenzofuran	66.8	5.0	µg/L	100		66.8	40-140				
Di-n-butylphthalate	83.9	10	µg/L	100		83.9	40-140				
3,3-Dichlorobenzidine	118	10	µg/L	100		118	40-140				†
2,4-Dichlorophenol	70.3	10	µg/L	100		70.3	30-130				
Diethylphthalate	75.5	10	µg/L	100		75.5	40-140				
2,4-Dimethylphenol	76.5	10	µg/L	100		76.5	30-130				
Dimethylphthalate	71.1	10	µg/L	100		71.1	40-140				
4,6-Dinitro-2-methylphenol	66.0	10	µg/L	100		66.0	30-130				
2,4-Dinitrophenol	52.7	10	µg/L	100		52.7	30-130				
2,4-Dinitrotoluene	66.5	10	µg/L	100		66.5	40-140				
2,6-Dinitrotoluene	69.4	10	µg/L	100		69.4	40-140				
Di-n-octylphthalate	79.3	10	µg/L	100		79.3	40-140				
Hexachlorobenzene	71.4	10	µg/L	100		71.4	40-140				
Hexachlorobutadiene	80.0	10	µg/L	100		80.0	40-140				
Hexachlorocyclopentadiene	42.9	10	µg/L	100		42.9	30-140			V-05	
Hexachloroethane	67.8	10	µg/L	100		67.8	40-140				
Isophorone	71.9	10	µg/L	100		71.9	40-140				
2-Methylphenol	51.3	10	µg/L	100		51.3	30-130				
3/4-Methylphenol	52.7	10	µg/L	100		52.7	30-130				
2-Nitroaniline	72.9	10	µg/L	100		72.9	40-140				
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140				†
4-Nitroaniline	70.0	10	µg/L	100		70.0	40-140				
Nitrobenzene	68.8	10	µg/L	100		68.8	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185689 - SW-846 3510C											
LCS (B185689-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17							
2-Nitrophenol	69.3	10	µg/L	100		69.3	30-130				
4-Nitrophenol	37.7	10	µg/L	100		37.7	10-130				
N-Nitrosodiphenylamine	92.0	10	µg/L	100		92.0	40-140				
N-Nitrosodi-n-propylamine	66.6	10	µg/L	100		66.6	40-140				
Pentachloronitrobenzene	80.9	10	µg/L	100		80.9	40-140			V-16	
Pentachlorophenol	54.8	10	µg/L	100		54.8	30-130				
Phenol	27.5	10	µg/L	100		27.5	20-130				
Pyridine	25.4	5.0	µg/L	100		25.4	10-140				†
1,2,4,5-Tetrachlorobenzene	72.1	10	µg/L	100		72.1	40-140				
1,2,4-Trichlorobenzene	67.1	5.0	µg/L	100		67.1	40-140				
2,4,5-Trichlorophenol	65.6	10	µg/L	100		65.6	30-130				
2,4,6-Trichlorophenol	70.0	10	µg/L	100		70.0	30-130				
Surrogate: 2-Fluorophenol	*95.9*		µg/L	200		48.0	15-110				
Surrogate: Phenol-d6	*65.7*		µg/L	200		32.8	15-110				
Surrogate: Nitrobenzene-d5	*80.3*		µg/L	100		80.3	30-130				
Surrogate: 2-Fluorobiphenyl	*74.7*		µg/L	100		74.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*163*		µg/L	200		81.6	15-110				
Surrogate: p-Terphenyl-d14	*80.2*		µg/L	100		80.2	30-130				
LCS Dup (B185689-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17							
Aniline	58.7	5.0	µg/L	100		58.7	40-140	1.42	50		† ‡
Bis(2-chloroethoxy)methane	68.3	10	µg/L	100		68.3	40-140	1.48	20		
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140	0.0296	20		
Bis(2-chloroisopropyl)ether	60.5	10	µg/L	100		60.5	40-140	0.429	20		
Bis(2-Ethylhexyl)phthalate	84.7	10	µg/L	100		84.7	40-140	2.30	20		
4-Bromophenylphenylether	73.2	10	µg/L	100		73.2	40-140	2.19	20		
Butylbenzylphthalate	78.8	10	µg/L	100		78.8	40-140	2.17	20		
Carbazole	70.4	10	µg/L	100		70.4	40-140	3.08	20		
4-Chloroaniline	73.1	10	µg/L	100		73.1	40-140	2.06	20		†
4-Chloro-3-methylphenol	72.8	10	µg/L	100		72.8	30-130	1.68	20		
2-Chloronaphthalene	59.2	10	µg/L	100		59.2	40-140	0.695	20		
2-Chlorophenol	59.5	10	µg/L	100		59.5	30-130	4.07	20		
4-Chlorophenylphenylether	69.3	10	µg/L	100		69.3	40-140	3.06	20		
Dibenzofuran	65.6	5.0	µg/L	100		65.6	40-140	1.81	20		
Di-n-butylphthalate	83.5	10	µg/L	100		83.5	40-140	0.394	20		
3,3-Dichlorobenzidine	114	10	µg/L	100		114	40-140	3.84	20		† ‡
2,4-Dichlorophenol	68.6	10	µg/L	100		68.6	30-130	2.39	20		
Diethylphthalate	76.1	10	µg/L	100		76.1	40-140	0.818	20		
2,4-Dimethylphenol	74.3	10	µg/L	100		74.3	30-130	2.82	20		
Dimethylphthalate	69.3	10	µg/L	100		69.3	40-140	2.55	50		
4,6-Dinitro-2-methylphenol	65.0	10	µg/L	100		65.0	30-130	1.50	50		
2,4-Dinitrophenol	51.3	10	µg/L	100		51.3	30-130	2.69	50		
2,4-Dinitrotoluene	65.2	10	µg/L	100		65.2	40-140	1.94	20		
2,6-Dinitrotoluene	68.0	10	µg/L	100		68.0	40-140	2.12	20		
Di-n-octylphthalate	78.0	10	µg/L	100		78.0	40-140	1.58	20		
Hexachlorobenzene	70.8	10	µg/L	100		70.8	40-140	0.774	20		
Hexachlorobutadiene	75.9	10	µg/L	100		75.9	40-140	5.28	20		
Hexachlorocyclopentadiene	39.5	10	µg/L	100		39.5	30-140	8.15	50	V-05	
Hexachloroethane	65.4	10	µg/L	100		65.4	40-140	3.48	50		
Isophorone	71.4	10	µg/L	100		71.4	40-140	0.726	20		
2-Methylphenol	49.9	10	µg/L	100		49.9	30-130	2.63	20		
3/4-Methylphenol	50.9	10	µg/L	100		50.9	30-130	3.55	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185689 - SW-846 3510C											
LCS Dup (B185689-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17							
2-Nitroaniline	72.3	10	µg/L	100		72.3	40-140	0.771	20		
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140	0.0310	20		†
4-Nitroaniline	69.5	10	µg/L	100		69.5	40-140	0.702	20		
Nitrobenzene	68.1	10	µg/L	100		68.1	40-140	0.950	20		
2-Nitrophenol	62.5	10	µg/L	100		62.5	30-130	10.3	20		
4-Nitrophenol	35.6	10	µg/L	100		35.6	10-130	5.81	50		‡
N-Nitrosodiphenylamine	91.1	10	µg/L	100		91.1	40-140	0.929	20		
N-Nitrosodi-n-propylamine	65.6	10	µg/L	100		65.6	40-140	1.39	20		
Pentachloronitrobenzene	78.5	10	µg/L	100		78.5	40-140	3.01	20	V-16	
Pentachlorophenol	50.6	10	µg/L	100		50.6	30-130	7.97	50		
Phenol	28.5	10	µg/L	100		28.5	20-130	3.46	20		
Pyridine	26.9	5.0	µg/L	100		26.9	10-140	5.85	50		†
1,2,4,5-Tetrachlorobenzene	69.0	10	µg/L	100		69.0	40-140	4.36	20		
1,2,4-Trichlorobenzene	65.3	5.0	µg/L	100		65.3	40-140	2.73	20		
2,4,5-Trichlorophenol	64.4	10	µg/L	100		64.4	30-130	1.86	20		
2,4,6-Trichlorophenol	67.4	10	µg/L	100		67.4	30-130	3.81	50		
Surrogate: 2-Fluorophenol	*90.3*		µg/L	200		45.1	15-110				
Surrogate: Phenol-d6	*60.6*		µg/L	200		30.3	15-110				
Surrogate: Nitrobenzene-d5	*78.6*		µg/L	100		78.6	30-130				
Surrogate: 2-Fluorobiphenyl	*70.5*		µg/L	100		70.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*156*		µg/L	200		77.8	15-110				
Surrogate: p-Terphenyl-d14	*77.5*		µg/L	100		77.5	30-130				
Batch B185949 - SW-846 3510C											
Blank (B185949-BLK1)				Prepared: 09/07/17 Analyzed: 09/11/17							
Acenaphthene (SIM)	ND	0.30	µg/L								
Acenaphthylene (SIM)	ND	0.30	µg/L								
Anthracene (SIM)	ND	0.20	µg/L								
Benzo(a)anthracene (SIM)	ND	0.050	µg/L								
Benzo(a)pyrene (SIM)	ND	0.10	µg/L								
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L								
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L								
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L								
Chrysene (SIM)	ND	0.20	µg/L								
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L								
Fluoranthene (SIM)	ND	0.50	µg/L								
Fluorene (SIM)	ND	1.0	µg/L								
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L								
2-Methylnaphthalene (SIM)	ND	1.0	µg/L								
Naphthalene (SIM)	ND	1.0	µg/L								
Phenanthrene (SIM)	ND	0.050	µg/L								
Pyrene (SIM)	ND	1.0	µg/L								
Surrogate: Nitrobenzene-d5	*80.4*		µg/L	100		80.4	30-130				
Surrogate: 2-Fluorobiphenyl	*79.4*		µg/L	100		79.4	30-130				
Surrogate: p-Terphenyl-d14	*67.6*		µg/L	100		67.6	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185949 - SW-846 3510C										
LCS (B185949-BS1)				Prepared: 09/07/17 Analyzed: 09/11/17						
Acenaphthene (SIM)	80.8	7.5	µg/L	100		80.8	40-140			
Acenaphthylene (SIM)	78.7	7.5	µg/L	100		78.7	40-140			
Anthracene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
Benzo(a)anthracene (SIM)	82.6	1.2	µg/L	100		82.6	40-140			
Benzo(a)pyrene (SIM)	90.1	2.5	µg/L	100		90.1	40-140			
Benzo(b)fluoranthene (SIM)	90.1	1.2	µg/L	100		90.1	40-140			
Benzo(g,h,i)perylene (SIM)	83.4	12	µg/L	100		83.4	40-140			
Benzo(k)fluoranthene (SIM)	86.8	5.0	µg/L	100		86.8	40-140			
Chrysene (SIM)	81.9	5.0	µg/L	100		81.9	40-140			
Dibenz(a,h)anthracene (SIM)	85.3	5.0	µg/L	100		85.3	40-140			
Fluoranthene (SIM)	85.0	12	µg/L	100		85.0	40-140			
Fluorene (SIM)	83.5	25	µg/L	100		83.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
2-Methylnaphthalene (SIM)	77.6	25	µg/L	100		77.6	40-140			
Naphthalene (SIM)	74.3	25	µg/L	100		74.3	40-140			
Phenanthrene (SIM)	81.7	1.2	µg/L	100		81.7	40-140			
Pyrene (SIM)	80.8	25	µg/L	100		80.8	40-140			
Surrogate: Nitrobenzene-d5	*87.8*		µg/L	100		87.8	30-130			
Surrogate: 2-Fluorobiphenyl	*91.0*		µg/L	100		91.0	30-130			
Surrogate: p-Terphenyl-d14	*77.4*		µg/L	100		77.4	30-130			
LCS Dup (B185949-BSD1)				Prepared: 09/07/17 Analyzed: 09/11/17						
Acenaphthene (SIM)	85.0	7.5	µg/L	100		85.0	40-140	4.95	20	
Acenaphthylene (SIM)	82.4	7.5	µg/L	100		82.4	40-140	4.56	20	
Anthracene (SIM)	88.3	5.0	µg/L	100		88.3	40-140	4.02	20	
Benzo(a)anthracene (SIM)	86.1	1.2	µg/L	100		86.1	40-140	4.12	20	
Benzo(a)pyrene (SIM)	94.3	2.5	µg/L	100		94.3	40-140	4.50	20	
Benzo(b)fluoranthene (SIM)	93.6	1.2	µg/L	100		93.6	40-140	3.78	20	
Benzo(g,h,i)perylene (SIM)	88.5	12	µg/L	100		88.5	40-140	5.87	20	
Benzo(k)fluoranthene (SIM)	90.4	5.0	µg/L	100		90.4	40-140	4.01	20	
Chrysene (SIM)	86.0	5.0	µg/L	100		86.0	40-140	4.80	20	
Dibenz(a,h)anthracene (SIM)	90.9	5.0	µg/L	100		90.9	40-140	6.38	20	
Fluoranthene (SIM)	89.0	12	µg/L	100		89.0	40-140	4.62	20	
Fluorene (SIM)	87.9	25	µg/L	100		87.9	40-140	5.19	20	
Indeno(1,2,3-cd)pyrene (SIM)	90.3	5.0	µg/L	100		90.3	40-140	6.20	20	‡
2-Methylnaphthalene (SIM)	81.5	25	µg/L	100		81.5	40-140	4.93	20	
Naphthalene (SIM)	77.7	25	µg/L	100		77.7	40-140	4.54	20	
Phenanthrene (SIM)	84.3	1.2	µg/L	100		84.3	40-140	3.10	20	
Pyrene (SIM)	84.4	25	µg/L	100		84.4	40-140	4.30	20	
Surrogate: Nitrobenzene-d5	*85.6*		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	*89.8*		µg/L	100		89.8	30-130			
Surrogate: p-Terphenyl-d14	*71.8*		µg/L	100		71.8	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185770 - SW-846 3510C										
Blank (B185770-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*2.07*		µg/L	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.21*		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/L	2.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.86*		µg/L	2.00		93.0	30-150			
LCS (B185770-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aroclor-1016	0.49	0.20	µg/L	0.500		97.3	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1260	0.49	0.20	µg/L	0.500		98.3	40-140			
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		95.4	40-140			
Surrogate: Decachlorobiphenyl	*1.95*		µg/L	2.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.09*		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.82*		µg/L	2.00		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/L	2.00		89.9	30-150			
LCS Dup (B185770-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aroclor-1016	0.52	0.20	µg/L	0.500		103	40-140	6.09	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		111	40-140	2.48	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		99.5	40-140	1.25	20	
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.8	40-140	1.49	20	
Surrogate: Decachlorobiphenyl	*2.03*		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.20*		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/L	2.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.89*		µg/L	2.00		94.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185858 - SW-846 3540C										
Blank (B185858-BLK1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		95.8	30-150			
LCS (B185858-BS1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.7	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.8	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.2	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.8	40-140			
Surrogate: Decachlorobiphenyl	*0.188*		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg wet	0.200		91.0	30-150			
LCS Dup (B185858-BSD1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.2	40-140	2.73	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	2.79	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	1.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.0	40-140	1.51	30	
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		94.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185858 - SW-846 3540C										
Matrix Spike (B185858-MS1)		**Source: 17H1675-01**		Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.24	0.087	mg/Kg dry	0.217	ND	109	40-140			
Aroclor-1016 [2C]	0.23	0.087	mg/Kg dry	0.217	ND	107	40-140			
Aroclor-1260	0.41	0.087	mg/Kg dry	0.217	0.16	116	40-140			
Aroclor-1260 [2C]	0.39	0.087	mg/Kg dry	0.217	0.17	103	40-140			
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg dry	0.217		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg dry	0.217		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.207*		mg/Kg dry	0.217		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.212*		mg/Kg dry	0.217		98.0	30-150			
Matrix Spike Dup (B185858-MSD1)		**Source: 17H1675-01**		Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.24	0.088	mg/Kg dry	0.219	ND	109	40-140	0.804	50	
Aroclor-1016 [2C]	0.23	0.088	mg/Kg dry	0.219	ND	106	40-140	0.00359	50	
Aroclor-1260	0.38	0.088	mg/Kg dry	0.219	0.16	101	40-140	7.97	50	
Aroclor-1260 [2C]	0.37	0.088	mg/Kg dry	0.219	0.17	90.6	40-140	6.48	50	
Surrogate: Decachlorobiphenyl	*0.198*		mg/Kg dry	0.219		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg dry	0.219		99.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg dry	0.219		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg dry	0.219		94.6	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185690 - SW-846 3510C										
Blank (B185690-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	*0.0970*		mg/L	0.100		97.0	50-150			
LCS (B185690-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.772	0.075	mg/L	1.00		77.2	60-120			
Surrogate: o-Terphenyl	*0.0991*		mg/L	0.100		99.1	50-150			
LCS Dup (B185690-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.750	0.075	mg/L	1.00		75.0	60-120	2.84	30	
Surrogate: o-Terphenyl	*0.0956*		mg/L	0.100		95.6	50-150			
Batch B185980 - SW-846 3546										
Blank (B185980-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.1	50-150			
LCS (B185980-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	25.2	10	mg/Kg wet	33.3		75.5	60-120			
Surrogate: o-Terphenyl	*3.35*		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185980-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	23.7	10	mg/Kg wet	33.3		71.1	60-120	5.91	30	
Surrogate: o-Terphenyl	*3.16*		mg/Kg wet	3.33		94.7	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185607 - SW-846 7470A Prep										
Blank (B185607-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.00010	mg/L							
LCS (B185607-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00173	0.00010	mg/L	0.00200		86.4	80-120			
LCS Dup (B185607-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00161	0.00010	mg/L	0.00200		80.6	80-120	6.90	20	
Batch B185635 - SW-846 7471										
Blank (B185635-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185635-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.2	1.9	mg/Kg wet	9.36		109	73.7-126.3			
LCS Dup (B185635-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.3	1.9	mg/Kg wet	9.36		110	73.7-126.3	0.571	30	
Batch B185638 - SW-846 3050B										
Blank (B185638-BLK1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185638-BS1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	59.9	5.1	mg/Kg wet	146		41.0	0-210.3			
Arsenic	143	5.1	mg/Kg wet	157		90.9	77.8-122.1			
Barium	316	5.1	mg/Kg wet	339		93.3	82-117.4			
Beryllium	55.8	0.51	mg/Kg wet	58.3		95.8	82.3-117.7			
Cadmium	188	0.51	mg/Kg wet	216		86.9	81.9-118.2			
Chromium	84.5	1.0	mg/Kg wet	88.9		95.1	78.7-120.6			
Copper	183	1.0	mg/Kg wet	184		99.6	80.4-119.6			
Lead	91.0	1.5	mg/Kg wet	94.3		96.4	82.4-117.8			
Nickel	137	1.0	mg/Kg wet	154		88.8	82.2-117.8			
Selenium	186	10	mg/Kg wet	207		89.7	77.1-122.3			
Silver	41.4	1.0	mg/Kg wet	43.8		94.6	74.3-125.4			
Thallium	146	5.1	mg/Kg wet	167		87.6	78.2-121.6			
Vanadium	86.1	2.0	mg/Kg wet	100		86.1	64.8-135.2			
Zinc	188	2.0	mg/Kg wet	209		89.9	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185638 - SW-846 3050B										
LCS Dup (B185638-BSD1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	54.4	5.0	mg/Kg wet	146		37.2	0-210.3	9.75	30	
Arsenic	142	5.0	mg/Kg wet	157		90.5	77.8-122.1	0.506	30	
Barium	311	5.0	mg/Kg wet	339		91.7	82-117.4	1.65	30	
Beryllium	54.6	0.50	mg/Kg wet	58.3		93.6	82.3-117.7	2.24	30	
Cadmium	187	0.50	mg/Kg wet	216		86.4	81.9-118.2	0.524	30	
Chromium	82.9	1.0	mg/Kg wet	88.9		93.2	78.7-120.6	1.95	30	
Copper	178	1.0	mg/Kg wet	184		96.6	80.4-119.6	3.08	30	
Lead	90.7	1.5	mg/Kg wet	94.3		96.1	82.4-117.8	0.323	30	
Nickel	134	1.0	mg/Kg wet	154		87.1	82.2-117.8	1.92	30	
Selenium	188	10	mg/Kg wet	207		90.8	77.1-122.3	1.18	30	
Silver	40.8	1.0	mg/Kg wet	43.8		93.2	74.3-125.4	1.51	30	
Thallium	146	5.0	mg/Kg wet	167		87.7	78.2-121.6	0.122	30	
Vanadium	85.7	2.0	mg/Kg wet	100		85.7	64.8-135.2	0.423	30	
Zinc	185	2.0	mg/Kg wet	209		88.7	79.7-120.8	1.42	30	
MRL Check (B185638-MRL1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Lead	0.595	0.72	mg/Kg wet	0.719		82.8	80-120			
Batch B185847 - SW-846 3005A										
Blank (B185847-BLK1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Beryllium	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Thallium	ND	1.0	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							
LCS (B185847-BS1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Antimony	258	5.0	µg/L	250		103	80-120			
Arsenic	259	2.0	µg/L	250		104	80-120			
Barium	256	50	µg/L	250		102	80-120			
Beryllium	245	2.0	µg/L	250		97.8	80-120			
Cadmium	254	2.5	µg/L	250		102	80-120			
Chromium	254	5.0	µg/L	250		101	80-120			
Copper	257	25	µg/L	250		103	80-120			
Lead	245	5.0	µg/L	250		97.9	80-120			
Nickel	257	25	µg/L	250		103	80-120			
Selenium	253	25	µg/L	250		101	80-120			
Silver	268	2.5	µg/L	250		107	80-120			
Thallium	241	1.0	µg/L	250		96.3	80-120			
Vanadium	231	25	µg/L	250		92.5	80-120			
Zinc	260	50	µg/L	250		104	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185847 - SW-846 3005A										
LCS Dup (B185847-BSD1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Antimony	264	5.0	µg/L	250		106	80-120	2.24	20	
Arsenic	255	2.0	µg/L	250		102	80-120	1.54	20	
Barium	262	50	µg/L	250		105	80-120	2.25	20	
Beryllium	251	2.0	µg/L	250		100	80-120	2.57	20	
Cadmium	259	2.5	µg/L	250		104	80-120	1.88	20	
Chromium	253	5.0	µg/L	250		101	80-120	0.406	20	
Copper	256	25	µg/L	250		102	80-120	0.363	20	
Lead	250	5.0	µg/L	250		100	80-120	2.32	20	
Nickel	256	25	µg/L	250		102	80-120	0.302	20	
Selenium	251	25	µg/L	250		101	80-120	0.781	20	
Silver	275	2.5	µg/L	250		110	80-120	2.68	20	
Thallium	251	1.0	µg/L	250		100	80-120	4.04	20	
Vanadium	232	25	µg/L	250		92.7	80-120	0.207	20	
Zinc	259	50	µg/L	250		103	80-120	0.591	20	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185578 - % Solids										
Duplicate (B185578-DUP4)		**Source: 17H1675-01**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.7		% Wt		91.4			1.41	20	
Duplicate (B185578-DUP5)		**Source: 17H1675-02**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.4		% Wt		91.9			0.543	20	
Duplicate (B185578-DUP6)		**Source: 17H1675-03**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	91.6		% Wt		89.7			2.10	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-33

Lab Sample ID: 17H1675-01 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-34

Lab Sample ID: 17H1675-02

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.24	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-35

Lab Sample ID: 17H1675-03

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-36

Lab Sample ID: 17H1675-04

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.60	
	2	0.000	-0.030	0.030	0.61	1.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-37

Lab Sample ID: 17H1675-05

Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.2	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-38

Lab Sample ID: 17H1675-06

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.32	3.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-39

Lab Sample ID: 17H1675-07

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

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

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC7-SO-17-0

Lab Sample ID: 17H1675-08

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.094	
	2	0.000	-0.030	0.030	0.096	2.1

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC7-SO-18-0

Lab Sample ID: 17H1675-09

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.86	
	2	0.000	-0.030	0.030	0.85	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-3-0

Lab Sample ID: 17H1675-12 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.31	0.0

con-test® ANALYTICAL LABORATORY

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-45-0

Lab Sample ID: 17H1675-13

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

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

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-25

Lab Sample ID: 17H1675-14

Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

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

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-SE-15

Lab Sample ID: 17H1675-15

Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	440	
	2	0.000	-0.030	0.030	430	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185770-BS1

Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.54	9.7
Aroclor-1260	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.48	2.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185770-BSD1 Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.55	5.6
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.48	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185858-BS1

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185858-BSD1 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B185858-MS1

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.41	
	2	0.000	-0.030	0.030	0.39	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B185858-MSD1

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.37	2.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 6020A-B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
o-Xylene	CT,NH,NY,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

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

17H1675

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Doc # 381 Rev 0 5 8 2015

con-test ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)
1	WS-AOC13-SO-33	8/31/17	1000		X	S	U	X
2	WS-AOC13-SO-34		1010					X
3	WS-AOC13-SO-35		1020					X
4	WS-AOC13-SO-36		1030					X
5	WS-AOC13-SO-37		1040					X
6	WS-AOC13-SO-38		1050					X
7	WS-AOC13-SO-39		1100					X
8	WS-AOC7-SO-17-0		1110					X
9	WS-AOC7-SO-18-0		1115					X
10	WS-AOC7-SO-19-0		1120					X

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature)	Date/Time:
[signature] 8/31/17	
Received by: (signature) [signature]	Date/Time: 8/31/17 1525
Relinquished by: (signature) [signature]	Date/Time: 9/1/17 950
Received by: (signature) [signature] 9/1/17	Date/Time: 3.6 9:50 4.3
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #
WG 9/1/17
NELAC and AIHA-LAP, LLC Accredited

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

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Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

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

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

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

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	SVOCs	RSR 15 metals	VOCs								# of Containers	[2] Preservation Code	[3] Container Code
																				1	I	A
11	WS-AOC7-SO-20-0	8/31/17	1130		X	S	U	X														
12	WS-AOC8-SO-3-0	↓	1140		↓	↓	↓	X														
13	WS-AOC9-SO-45-0	↓	1200		↓	↓	↓	X														
14	WS-AOC8-SE-25	↓	1230		↓	↓	↓	X	X	X	X	X										
15	WS-AOC10-SE-15	↓	1300		↓	↓	↓	X														
16	TRIP BLANK	↓	—		↓	↓	↓					X										
17	Equipment Blank-58	↓	0800		↓	W	↓	X	X	X	X	X										

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
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M = Methanol
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S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature)	Date/Time:
8/31/17	
Received by: (signature)	Date/Time:
	8/31/17
Relinquished by: (signature)	Date/Time:
	9/1/17 950
Received by: (signature) S.6/4.3 9:50	Date/Time: 9/1/17
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other

Program Information

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

WG 9/1/17
NELAC and AIHA-LAP, LLC Accredited

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

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F: 413-525-6405
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con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By WCG Date 9/1/17 Time 9:50

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.6°C/4.3°C
By Blank # ____ Actual Temp - ____

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

Vials	#	Containers:	#		#		#
Unp-	3	1 Liter Amb.	6	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	3
Meoh-	2	250 mL Amb.		250 mL Plastic	1	4oz Amb/Clear	14
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	4	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: WG 9/1/17	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

D:\HPCHEM\1\DATA\A091217.SEC\A0912007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	579219	601921	-4
c - 10	1.62	584624	601921	-3
c - 12	2.35	601930	601921	0
c - 14	3.01	613611	601921	2
c - 16	3.61	626238	601921	4
c - 18	4.23	617049	601921	3
o-Terphenyl	4.51	684250	601921	
c - 20	4.83	622766	601921	3
c - 22	5.34	629203	601921	5
c - 24	5.77	583868	601921	-3
c - 26	6.16	611957	601921	2
c - 28	6.52	601941	601921	0
c - 30	6.85	596395	601921	-1
c - 32	7.16	582912	601921	-3
c - 34	7.46	587710	601921	-2
c - 36	7.77	589388	601921	-2

* One compound allowed %D <= 50%

Samples
17H1675-17

D:\HPCHEM\1\DATA\A091217.SEC\A0912039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	603049	629027	-4
c - 10	1.62	609325	629027	-3
c - 12	2.35	625871	629027	-1
c - 14	3.01	638455	629027	1
c - 16	3.61	652226	629027	4
c - 18	4.23	642382	629027	2
o-Terphenyl	4.51	713285	629027	
c - 20	4.83	648093	629027	3
c - 22	5.34	655317	629027	4
c - 24	5.77	608772	629027	-3
c - 26	6.16	639161	629027	2
c - 28	6.52	629708	629027	0
c - 30	6.85	627878	629027	0
c - 32	7.16	615300	629027	-2
c - 34	7.45	619133	629027	-2
c - 36	7.77	620740	629027	-1

* One compound allowed %D <= 50%

Samples
17I0112-22
17I0112-23
17I0137-01
17H1672-11

D:\HPCHEM\1\DATA\A091217.SEC\A0912075.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/13/17
Data File Name	A0912075.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	644321	668772	-4
c - 10	1.63	652986	668772	-2
c - 12	2.35	670312	668772	0
c - 14	3.01	682330	668772	2
c - 16	3.61	695447	668772	4
c - 18	4.23	684583	668772	2
o-Terphenyl	4.51	758044	668772	
c - 20	4.83	689892	668772	3
c - 22	5.34	696936	668772	4
c - 24	5.77	646118	668772	-3
c - 26	6.16	678125	668772	1
c - 28	6.52	667022	668772	0
c - 30	6.85	664475	668772	-1
c - 32	7.16	650625	668772	-3
c - 34	7.45	653920	668772	-2
c - 36	7.77	654488	668772	-2

* One compound allowed %D <= 50%

Samples
17H1675-14
17I0196-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H1675

Laboratory Sample ID(s):

17H1675-01 thru 17H1675-17

Sample Date(s):

08/31/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 6020A-B, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

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

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

Printed Name: **Lisa A. Worthington** **Date:** **09/14/17**

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

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

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

September 26, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0462

Enclosed are results of analyses for samples received by the laboratory on September 12, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

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

REPORT DATE: 9/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0462

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-10-SO-1-1	17I0462-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-1-2	17I0462-02	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC-10-SO-1-3	17I0462-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-2-1	17I0462-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-2-2	17I0462-05	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC-10-SO-2-3	17I0462-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-6-1	17I0462-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-6-2	17I0462-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-8-SO-6-3	17I0462-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-6-4	17I0462-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-20-1	17I0462-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-20-2	17I0462-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-20-3	17I0462-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-16-1	17I0462-14	Soil		SM 2540G	
				SW-846 8082A	

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

REPORT DATE: 9/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0462

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-10-SO-16-2	17I0462-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-16-3	17I0462-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-17-1	17I0462-17	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-17-2	17I0462-18	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-17-3	17I0462-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-31-1	17I0462-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

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SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)

B186197-BS1

V-16

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

Analyte & Samples(s) Qualified:

Tetrahydrofuran

17I0462-02[WS-AOC-10-SO-1-2], 17I0462-05[WS-AOC-10-SO-2-2], B186197-BLK1, B186197-BS1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

trans-1,2-Dichloroethylene

B186197-BS1

Trichlorofluoromethane (Freon 11)

B186197-BS1

SW-846 8270D

Qualifications:

L-04

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

Analyte & Samples(s) Qualified:

4-Chloroaniline

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

Aniline

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

V-05

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

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

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

SW-846 8270D

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

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

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

Lisa A. Worthington
Project Manager

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Aniline	ND	0.38	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(a)anthracene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(a)pyrene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(b)fluoranthene	0.42	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(g,h,i)perylene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Chrysene	0.32	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Fluoranthene	0.69	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Indeno(1,2,3-cd)pyrene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-20, V-16	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Phenanthrene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pyrene	0.64	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.1	30-130		9/19/17 12:54
Phenol-d6	60.4	30-130		9/19/17 12:54
Nitrobenzene-d5	62.7	30-130		9/19/17 12:54
2-Fluorobiphenyl	70.9	30-130		9/19/17 12:54
2,4,6-Tribromophenol	84.4	30-130		9/19/17 12:54
p-Terphenyl-d14	74.7	30-130		9/19/17 12:54

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.2	30-150		9/25/17 17:47
Decachlorobiphenyl [2]	93.4	30-150		9/25/17 17:47
Tetrachloro-m-xylene [1]	94.1	30-150		9/25/17 17:47
Tetrachloro-m-xylene [2]	94.5	30-150		9/25/17 17:47

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	160	56	mg/Kg dry	5		CTDEP ETPH	9/19/17	9/21/17 0:14	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	120	50-150		9/21/17 0:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Barium	44	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Chromium	8.0	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Copper	21	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Lead	52	0.80	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Mercury	0.098	0.028	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:36	TJK
Nickel	7.9	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Vanadium	30	1.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Zinc	45	1.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromomethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chlorodibromomethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloromethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3-Dichloropropane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
cis-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Tetrahydrofuran	ND	0.0067	mg/Kg dry	1	V-16	SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Vinyl Chloride	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		9/14/17 8:19
Toluene-d8	104	70-130		9/14/17 8:19
4-Bromofluorobenzene	102	70-130		9/14/17 8:19

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		9/25/17 18:06
Decachlorobiphenyl [2]	85.4	30-150		9/25/17 18:06
Tetrachloro-m-xylene [1]	91.1	30-150		9/25/17 18:06
Tetrachloro-m-xylene [2]	94.1	30-150		9/25/17 18:06

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-3 Sampled: 9/12/2017 10:55

Sample ID: 17I0462-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.1	30-150		9/25/17 18:24
Decachlorobiphenyl [2]	77.8	30-150		9/25/17 18:24
Tetrachloro-m-xylene [1]	89.2	30-150		9/25/17 18:24
Tetrachloro-m-xylene [2]	84.1	30-150		9/25/17 18:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-3 Sampled: 9/12/2017 10:55

Sample ID: 17I0462-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Aniline	ND	0.43	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(a)anthracene	0.52	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(a)pyrene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(b)fluoranthene	0.75	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(g,h,i)perylene	0.56	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(k)fluoranthene	0.27	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Butylbenzylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chloro-3-methylphenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chlorophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Chrysene	0.58	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Di-n-butylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dimethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Di-n-octylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Fluoranthene	1.3	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorocyclopentadiene	ND	0.43	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Indeno(1,2,3-cd)pyrene	0.49	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
N-Nitrosodiphenylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
N-Nitrosodi-n-propylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pentachloronitrobenzene	ND	0.43	mg/Kg dry	1	V-16, V-20	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Phenanthrene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pyrene	1.2	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pyridine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	55.2	30-130		9/19/17 13:44
Phenol-d6	56.4	30-130		9/19/17 13:44
Nitrobenzene-d5	59.3	30-130		9/19/17 13:44
2-Fluorobiphenyl	70.7	30-130		9/19/17 13:44
2,4,6-Tribromophenol	80.1	30-130		9/19/17 13:44
p-Terphenyl-d14	78.2	30-130		9/19/17 13:44

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.3	30-150		9/25/17 18:42
Decachlorobiphenyl [2]	81.5	30-150		9/25/17 18:42
Tetrachloro-m-xylene [1]	87.5	30-150		9/25/17 18:42
Tetrachloro-m-xylene [2]	86.2	30-150		9/25/17 18:42

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	84	13	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:01	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	78.0	50-150		9/21/17 2:01

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Arsenic	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Barium	80	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Cadmium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Chromium	11	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Copper	37	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Lead	130	0.92	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Mercury	0.27	0.030	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:37	TJK
Nickel	8.8	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Vanadium	34	1.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Zinc	95	1.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Acrylonitrile	ND	0.0041	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromomethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Carbon Disulfide	ND	0.0041	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chlorodibromomethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloromethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3-Dichloropropane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
cis-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Tetrahydrofuran	ND	0.0069	mg/Kg dry	1	V-16	SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Vinyl Chloride	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		9/14/17 8:47
Toluene-d8	106	70-130		9/14/17 8:47
4-Bromofluorobenzene	102	70-130		9/14/17 8:47

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		9/25/17 19:01
Decachlorobiphenyl [2]	90.1	30-150		9/25/17 19:01
Tetrachloro-m-xylene [1]	94.5	30-150		9/25/17 19:01
Tetrachloro-m-xylene [2]	92.6	30-150		9/25/17 19:01

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-3 Sampled: 9/12/2017 11:07

Sample ID: 17I0462-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		9/25/17 19:19
Decachlorobiphenyl [2]	83.1	30-150		9/25/17 19:19
Tetrachloro-m-xylene [1]	98.7	30-150		9/25/17 19:19
Tetrachloro-m-xylene [2]	94.3	30-150		9/25/17 19:19

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-3 Sampled: 9/12/2017 11:07

Sample ID: 17I0462-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-1 Sampled: 9/12/2017 11:17

Sample ID: 17I0462-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1254 [2]	0.26	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1260 [1]	0.33	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.8	30-150		9/25/17 19:37
Decachlorobiphenyl [2]	81.4	30-150		9/25/17 19:37
Tetrachloro-m-xylene [1]	93.7	30-150		9/25/17 19:37
Tetrachloro-m-xylene [2]	90.1	30-150		9/25/17 19:37

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-1 Sampled: 9/12/2017 11:17

Sample ID: 17I0462-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(a)anthracene	0.55	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(a)pyrene	0.68	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(b)fluoranthene	0.76	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(g,h,i)perylene	0.58	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(k)fluoranthene	0.29	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Chrysene	0.53	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Fluoranthene	0.79	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Indeno(1,2,3-cd)pyrene	0.53	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Phenanthrene	0.24	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Pyrene	0.86	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	54.7	30-130		9/19/17 14:09
2-Fluorobiphenyl	65.6	30-130		9/19/17 14:09
p-Terphenyl-d14	75.2	30-130		9/19/17 14:09

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.6	30-150		9/25/17 19:56
Decachlorobiphenyl [2]	80.9	30-150		9/25/17 19:56
Tetrachloro-m-xylene [1]	94.4	30-150		9/25/17 19:56
Tetrachloro-m-xylene [2]	88.8	30-150		9/25/17 19:56

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	96	53	mg/Kg dry	5		CTDEP ETPH	9/19/17	9/21/17 0:32	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	81.1	50-150		9/21/17 0:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-3 Sampled: 9/12/2017 11:19

Sample ID: 17I0462-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		9/25/17 20:14
Decachlorobiphenyl [2]	80.4	30-150		9/25/17 20:14
Tetrachloro-m-xylene [1]	89.4	30-150		9/25/17 20:14
Tetrachloro-m-xylene [2]	87.4	30-150		9/25/17 20:14

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-3 Sampled: 9/12/2017 11:19

Sample ID: 17I0462-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-4 Sampled: 9/12/2017 11:20

Sample ID: 17I0462-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.6	30-150		9/25/17 20:32
Decachlorobiphenyl [2]	141	30-150		9/25/17 20:32
Tetrachloro-m-xylene [1]	79.6	30-150		9/25/17 20:32
Tetrachloro-m-xylene [2]	67.8	30-150		9/25/17 20:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-4 Sampled: 9/12/2017 11:20

Sample ID: 17I0462-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-1 Sampled: 9/12/2017 11:44

Sample ID: 17I0462-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		9/25/17 21:40
Decachlorobiphenyl [2]	88.7	30-150		9/25/17 21:40
Tetrachloro-m-xylene [1]	94.0	30-150		9/25/17 21:40
Tetrachloro-m-xylene [2]	92.7	30-150		9/25/17 21:40

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-1 Sampled: 9/12/2017 11:44

Sample ID: 17I0462-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-2 Sampled: 9/12/2017 11:45

Sample ID: 17I0462-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		9/25/17 21:58
Decachlorobiphenyl [2]	80.9	30-150		9/25/17 21:58
Tetrachloro-m-xylene [1]	85.9	30-150		9/25/17 21:58
Tetrachloro-m-xylene [2]	84.2	30-150		9/25/17 21:58

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-2 Sampled: 9/12/2017 11:45

Sample ID: 17I0462-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	70.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-3 Sampled: 9/12/2017 11:46

Sample ID: 17I0462-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.2	30-150		9/25/17 22:17
Decachlorobiphenyl [2]	61.5	30-150		9/25/17 22:17
Tetrachloro-m-xylene [1]	68.5	30-150		9/25/17 22:17
Tetrachloro-m-xylene [2]	70.7	30-150		9/25/17 22:17

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-3 Sampled: 9/12/2017 11:46

Sample ID: 17I0462-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-1 Sampled: 9/12/2017 11:52

Sample ID: 17I0462-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1260 [2]	0.092	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.4	30-150		9/25/17 22:35
Decachlorobiphenyl [2]	86.1	30-150		9/25/17 22:35
Tetrachloro-m-xylene [1]	88.1	30-150		9/25/17 22:35
Tetrachloro-m-xylene [2]	86.3	30-150		9/25/17 22:35

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-1 Sampled: 9/12/2017 11:52

Sample ID: 17I0462-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-2 Sampled: 9/12/2017 11:53

Sample ID: 17I0462-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		9/25/17 22:53
Decachlorobiphenyl [2]	95.6	30-150		9/25/17 22:53
Tetrachloro-m-xylene [1]	93.4	30-150		9/25/17 22:53
Tetrachloro-m-xylene [2]	94.7	30-150		9/25/17 22:53

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-2 Sampled: 9/12/2017 11:53

Sample ID: 17I0462-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-3 Sampled: 9/12/2017 11:54

Sample ID: 17I0462-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1260 [1]	0.38	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.7	30-150		9/25/17 23:11
Decachlorobiphenyl [2]	88.3	30-150		9/25/17 23:11
Tetrachloro-m-xylene [1]	94.2	30-150		9/25/17 23:11
Tetrachloro-m-xylene [2]	90.0	30-150		9/25/17 23:11

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-3 Sampled: 9/12/2017 11:54

Sample ID: 17I0462-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1 Sampled: 9/12/2017 11:57

Sample ID: 17I0462-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.1	30-150		9/25/17 23:30
Decachlorobiphenyl [2]	82.5	30-150		9/25/17 23:30
Tetrachloro-m-xylene [1]	86.5	30-150		9/25/17 23:30
Tetrachloro-m-xylene [2]	85.2	30-150		9/25/17 23:30

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1 Sampled: 9/12/2017 11:57

Sample ID: 17I0462-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	100	12	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:18	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	76.3	50-150		9/21/17 2:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1 Sampled: 9/12/2017 11:57

Sample ID: 17I0462-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Aniline	ND	0.41	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chloroaniline	ND	0.80	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chloro-3-methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dinitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1	V-16, V-20	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	66.6	30-130		9/19/17 14:35
Phenol-d6	66.5	30-130		9/19/17 14:35
Nitrobenzene-d5	69.1	30-130		9/19/17 14:35
2-Fluorobiphenyl	79.6	30-130		9/19/17 14:35
2,4,6-Tribromophenol	95.6	30-130		9/19/17 14:35
p-Terphenyl-d14	87.2	30-130		9/19/17 14:35

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		9/25/17 23:48
Decachlorobiphenyl [2]	92.6	30-150		9/25/17 23:48
Tetrachloro-m-xylene [1]	88.9	30-150		9/25/17 23:48
Tetrachloro-m-xylene [2]	87.8	30-150		9/25/17 23:48

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-3 Sampled: 9/12/2017 11:59

Sample ID: 17I0462-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.5	30-150		9/26/17 0:06
Decachlorobiphenyl [2]	88.4	30-150		9/26/17 0:06
Tetrachloro-m-xylene [1]	86.9	30-150		9/26/17 0:06
Tetrachloro-m-xylene [2]	84.2	30-150		9/26/17 0:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-3 Sampled: 9/12/2017 11:59

Sample ID: 17I0462-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	61.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1 Sampled: 9/12/2017 12:15

Sample ID: 17I0462-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/26/17 0:25
Decachlorobiphenyl [2]	102	30-150		9/26/17 0:25
Tetrachloro-m-xylene [1]	104	30-150		9/26/17 0:25
Tetrachloro-m-xylene [2]	100	30-150		9/26/17 0:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1 Sampled: 9/12/2017 12:15

Sample ID: 17I0462-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	43	11	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:36	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.4	50-150		9/21/17 2:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1 Sampled: 9/12/2017 12:15

Sample ID: 17I0462-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186524	30.1	1.00	09/19/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186524	30.0	1.00	09/19/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186524	30.0	1.00	09/19/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186524	30.1	1.00	09/19/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186524	30.2	1.00	09/19/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186542	09/19/17
17I0462-02 [WS-AOC-10-SO-1-2]	B186542	09/19/17
17I0462-03 [WS-AOC-10-SO-1-3]	B186542	09/19/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186542	09/19/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186542	09/19/17
17I0462-06 [WS-AOC-10-SO-2-3]	B186542	09/19/17
17I0462-07 [WS-AOC-8-SO-6-1]	B186542	09/19/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186542	09/19/17
17I0462-09 [WS-AOC-8-SO-6-3]	B186542	09/19/17
17I0462-10 [WS-AOC-8-SO-6-4]	B186542	09/19/17
17I0462-11 [WS-AOC-10-SO-20-1]	B186542	09/19/17
17I0462-12 [WS-AOC-10-SO-20-2]	B186542	09/19/17
17I0462-13 [WS-AOC-10-SO-20-3]	B186542	09/19/17
17I0462-14 [WS-AOC-10-SO-16-1]	B186542	09/19/17
17I0462-15 [WS-AOC-10-SO-16-2]	B186542	09/19/17
17I0462-16 [WS-AOC-10-SO-16-3]	B186542	09/19/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186542	09/19/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186542	09/19/17
17I0462-19 [WS-AOC-10-SO-17-3]	B186542	09/19/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186542	09/19/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186445	1.06	50.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186445	1.03	50.0	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186443	0.614	50.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186443	0.624	50.0	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186493	10.0	10.0	09/18/17
17I0462-02 [WS-AOC-10-SO-1-2]	B186493	10.2	10.0	09/18/17
17I0462-03 [WS-AOC-10-SO-1-3]	B186493	10.1	10.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186493	10.2	10.0	09/18/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186493	10.1	10.0	09/18/17

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-06 [WS-AOC-10-SO-2-3]	B186493	10.0	10.0	09/18/17
17I0462-07 [WS-AOC-8-SO-6-1]	B186493	10.2	10.0	09/18/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186493	10.0	10.0	09/18/17
17I0462-09 [WS-AOC-8-SO-6-3]	B186493	10.3	10.0	09/18/17
17I0462-10 [WS-AOC-8-SO-6-4]	B186493	10.2	10.0	09/18/17
17I0462-11 [WS-AOC-10-SO-20-1]	B186493	10.0	10.0	09/18/17
17I0462-12 [WS-AOC-10-SO-20-2]	B186493	10.0	10.0	09/18/17
17I0462-13 [WS-AOC-10-SO-20-3]	B186493	10.0	10.0	09/18/17
17I0462-14 [WS-AOC-10-SO-16-1]	B186493	10.0	10.0	09/18/17
17I0462-15 [WS-AOC-10-SO-16-2]	B186493	10.0	10.0	09/18/17
17I0462-16 [WS-AOC-10-SO-16-3]	B186493	10.0	10.0	09/18/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186493	10.1	10.0	09/18/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186493	10.2	10.0	09/18/17
17I0462-19 [WS-AOC-10-SO-17-3]	B186493	10.1	10.0	09/18/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186493	10.0	10.0	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-02 [WS-AOC-10-SO-1-2]	B186197	8.32	10.0	09/14/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186197	9.05	10.0	09/14/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186451	30.1	1.00	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186451	30.0	1.00	09/18/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186451	30.0	1.00	09/18/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186451	30.1	1.00	09/18/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035										
Blank (B186197-BLK1)				Prepared & Analyzed: 09/14/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035										
Blank (B186197-BLK1)				Prepared & Analyzed: 09/14/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0536*		mg/Kg wet	0.0500		107	70-130			
Surrogate: Toluene-d8	*0.0526*		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0517*		mg/Kg wet	0.0500		103	70-130			
LCS (B186197-BS1)				Prepared & Analyzed: 09/14/17						
Acetone	0.183	0.10	mg/Kg wet	0.200		91.5	70-130			
Acrylonitrile	0.0220	0.0060	mg/Kg wet	0.0200		110	70-130			
Benzene	0.0184	0.0020	mg/Kg wet	0.0200		91.8	70-130			
Bromobenzene	0.0170	0.0020	mg/Kg wet	0.0200		85.2	70-130			
Bromodichloromethane	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
Bromoform	0.0169	0.0020	mg/Kg wet	0.0200		84.3	70-130			
Bromomethane	0.0212	0.010	mg/Kg wet	0.0200		106	70-130			
2-Butanone (MEK)	0.209	0.040	mg/Kg wet	0.200		104	70-130			
n-Butylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
sec-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130			
tert-Butylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Carbon Disulfide	0.240	0.0060	mg/Kg wet	0.200		120	70-130			
Carbon Tetrachloride	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Chlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130			
Chlorodibromomethane	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Chloroethane	0.0175	0.020	mg/Kg wet	0.0200		87.4	70-130			
Chloroform	0.0198	0.0040	mg/Kg wet	0.0200		99.2	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
4-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2-Dibromoethane (EDB)	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130			
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
1,2-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130			
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130			
1,4-Dichlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
trans-1,4-Dichloro-2-butene	0.0182	0.0040	mg/Kg wet	0.0200		91.0	70-130			
Dichlorodifluoromethane (Freon 12)	0.0241	0.020	mg/Kg wet	0.0200		121	70-130			
1,1-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichloroethane	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			
1,1-Dichloroethylene	0.0211	0.0040	mg/Kg wet	0.0200		106	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035											
LCS (B186197-BS1)				Prepared & Analyzed: 09/14/17							
cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
trans-1,2-Dichloroethylene	0.0252	0.0020	mg/Kg wet	0.0200		126		70-130			V-20
1,2-Dichloropropane	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130			
1,3-Dichloropropane	0.0197	0.0010	mg/Kg wet	0.0200		98.7		70-130			
2,2-Dichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.5		70-130			
1,1-Dichloropropene	0.0196	0.0020	mg/Kg wet	0.0200		98.0		70-130			
cis-1,3-Dichloropropene	0.0194	0.0010	mg/Kg wet	0.0200		96.8		70-130			
trans-1,3-Dichloropropene	0.0211	0.0010	mg/Kg wet	0.0200		105		70-130			
Ethylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.9		70-130			
Hexachlorobutadiene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130			
2-Hexanone (MBK)	0.211	0.020	mg/Kg wet	0.200		106		70-130			
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.3		70-130			
p-Isopropyltoluene (p-Cymene)	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0199	0.0040	mg/Kg wet	0.0200		99.3		70-130			
Methylene Chloride	0.0220	0.020	mg/Kg wet	0.0200		110		70-130			
4-Methyl-2-pentanone (MIBK)	0.219	0.020	mg/Kg wet	0.200		110		70-130			
Naphthalene	0.0160	0.0040	mg/Kg wet	0.0200		80.1		70-130			
n-Propylbenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2		70-130			
Styrene	0.0181	0.0020	mg/Kg wet	0.0200		90.7		70-130			
1,1,1,2-Tetrachloroethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8		70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		80.1		70-130			
Tetrachloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130			
Tetrahydrofuran	0.0192	0.010	mg/Kg wet	0.0200		96.1		70-130			V-16
Toluene	0.0201	0.0020	mg/Kg wet	0.0200		101		70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5		70-130			
1,2,4-Trichlorobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.3		70-130			
1,1,1-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
1,1,2-Trichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.3		70-130			
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103		70-130			
Trichlorofluoromethane (Freon 11)	0.0273	0.010	mg/Kg wet	0.0200		**136**	*	70-130			L-01, V-20
1,2,3-Trichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0248	0.010	mg/Kg wet	0.0200		124		70-130			
1,2,4-Trimethylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130			
1,3,5-Trimethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.5		70-130			
Vinyl Chloride	0.0192	0.010	mg/Kg wet	0.0200		95.9		70-130			
m+p Xylene	0.0373	0.0040	mg/Kg wet	0.0400		93.4		70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.5		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0532*		mg/Kg wet	0.0500		106		70-130			
Surrogate: Toluene-d8	*0.0530*		mg/Kg wet	0.0500		106		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0524*		mg/Kg wet	0.0500		105		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186451 - SW-846 3546										
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							L-04
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B186451 - SW-846 3546												
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17								
4-Nitrophenol	ND	0.66	mg/Kg wet									
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet									
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet									
Pentachloronitrobenzene	ND	0.34	mg/Kg wet								V-16, V-20	
Pentachlorophenol	ND	0.34	mg/Kg wet									
Phenanthrene	ND	0.17	mg/Kg wet									
Phenol	ND	0.34	mg/Kg wet									
Pyrene	ND	0.17	mg/Kg wet									
Pyridine	ND	0.34	mg/Kg wet									
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet									
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet									
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet									
Surrogate: 2-Fluorophenol	*3.79*		mg/Kg wet	6.67		56.9		30-130				
Surrogate: Phenol-d6	*3.77*		mg/Kg wet	6.67		56.5		30-130				
Surrogate: Nitrobenzene-d5	*1.88*		mg/Kg wet	3.33		56.5		30-130				
Surrogate: 2-Fluorobiphenyl	*2.16*		mg/Kg wet	3.33		64.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.08*		mg/Kg wet	6.67		91.1		30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.2		30-130				
LCS (B186451-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Acenaphthene	0.952	0.17	mg/Kg wet	1.67		57.1		40-140				
Acenaphthylene	0.981	0.17	mg/Kg wet	1.67		58.9		40-140				
Aniline	0.639	0.34	mg/Kg wet	1.67		**38.4**	*	40-140			L-04	†
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1		40-140				
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3		40-140				
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.3		40-140				
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.7		40-140				
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.3		40-140				
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5		40-140				
Bis(2-chloroethoxy)methane	1.12	0.34	mg/Kg wet	1.67		67.3		40-140				
Bis(2-chloroethyl)ether	1.02	0.34	mg/Kg wet	1.67		61.0		40-140				
Bis(2-chloroisopropyl)ether	0.961	0.34	mg/Kg wet	1.67		57.7		40-140				
Bis(2-Ethylhexyl)phthalate	1.02	0.34	mg/Kg wet	1.67		60.9		40-140				
4-Bromophenylphenylether	1.35	0.34	mg/Kg wet	1.67		80.8		40-140				
Butylbenzylphthalate	1.08	0.34	mg/Kg wet	1.67		64.9		40-140				
Carbazole	1.04	0.17	mg/Kg wet	1.67		62.4		40-140				
4-Chloroaniline	0.607	0.66	mg/Kg wet	1.67		**36.4**	*	40-140			L-04	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		65.9		30-130				
2-Chloronaphthalene	1.03	0.34	mg/Kg wet	1.67		61.8		40-140				
2-Chlorophenol	1.07	0.34	mg/Kg wet	1.67		63.9		30-130				
4-Chlorophenylphenylether	1.23	0.34	mg/Kg wet	1.67		73.8		40-140				
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.1		40-140				
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140				
Dibenzofuran	1.11	0.34	mg/Kg wet	1.67		66.6		40-140				
Di-n-butylphthalate	1.06	0.34	mg/Kg wet	1.67		63.8		40-140				
3,3-Dichlorobenzidine	1.25	0.17	mg/Kg wet	1.67		75.3		40-140				†
2,4-Dichlorophenol	1.22	0.34	mg/Kg wet	1.67		72.9		30-130				
Diethylphthalate	1.14	0.34	mg/Kg wet	1.67		68.4		40-140				
2,4-Dimethylphenol	1.10	0.34	mg/Kg wet	1.67		66.1		30-130				
Dimethylphthalate	1.16	0.34	mg/Kg wet	1.67		69.6		40-140				
4,6-Dinitro-2-methylphenol	0.904	0.34	mg/Kg wet	1.67		54.2		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B186451 - SW-846 3546												
LCS (B186451-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17								
2,4-Dinitrophenol	0.721	0.66	mg/Kg wet	1.67		43.2		30-130				
2,4-Dinitrotoluene	1.24	0.34	mg/Kg wet	1.67		74.4		40-140				
2,6-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		76.9		40-140				
Di-n-octylphthalate	0.954	0.34	mg/Kg wet	1.67		57.3		40-140				
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2		40-140				
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6		40-140				
Hexachlorobenzene	1.41	0.34	mg/Kg wet	1.67		84.7		40-140				
Hexachlorobutadiene	1.26	0.34	mg/Kg wet	1.67		75.9		40-140				
Hexachlorocyclopentadiene	0.676	0.34	mg/Kg wet	1.67		40.6		30-140			V-05	
Hexachloroethane	0.923	0.34	mg/Kg wet	1.67		55.4		40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140				
Isophorone	1.10	0.34	mg/Kg wet	1.67		65.7		40-140				
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.5		40-140				
2-Methylphenol	0.969	0.34	mg/Kg wet	1.67		58.2		30-130				
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.1		30-130				
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.9		40-140				
2-Nitroaniline	1.05	0.34	mg/Kg wet	1.67		63.0		40-140				
3-Nitroaniline	0.860	0.34	mg/Kg wet	1.67		51.6		40-140				†
4-Nitroaniline	1.01	0.34	mg/Kg wet	1.67		60.4		40-140				
Nitrobenzene	1.12	0.34	mg/Kg wet	1.67		67.0		40-140				
2-Nitrophenol	1.12	0.34	mg/Kg wet	1.67		67.0		30-130				
4-Nitrophenol	1.35	0.66	mg/Kg wet	1.67		80.7		10-130				
N-Nitrosodiphenylamine	1.37	0.34	mg/Kg wet	1.67		82.2		40-140				
N-Nitrosodi-n-propylamine	0.965	0.34	mg/Kg wet	1.67		57.9		40-140				
Pentachloronitrobenzene	1.42	0.34	mg/Kg wet	1.67		85.5		40-140			V-16, V-20	
Pentachlorophenol	0.880	0.34	mg/Kg wet	1.67		52.8		30-130				
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.4		40-140				
Phenol	1.05	0.34	mg/Kg wet	1.67		62.9		20-130				
Pyrene	1.09	0.17	mg/Kg wet	1.67		65.2		40-140				
Pyridine	0.622	0.34	mg/Kg wet	1.67		37.3		10-140				†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9		40-140				
1,2,4-Trichlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.1		40-140				
2,4,5-Trichlorophenol	1.27	0.34	mg/Kg wet	1.67		76.5		30-130				
2,4,6-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.4		30-130				
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		67.9		30-130				
Surrogate: Phenol-d6	*4.46*		mg/Kg wet	6.67		67.0		30-130				
Surrogate: Nitrobenzene-d5	*2.27*		mg/Kg wet	3.33		68.1		30-130				
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.33		79.2		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.88*		mg/Kg wet	6.67		103		30-130				
Surrogate: p-Terphenyl-d14	*2.84*		mg/Kg wet	3.33		85.3		30-130				
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Acenaphthene	0.825	0.17	mg/Kg wet	1.67		49.5		40-140	14.3	30		
Acenaphthylene	0.850	0.17	mg/Kg wet	1.67		51.0		40-140	14.3	30		
Aniline	0.567	0.34	mg/Kg wet	1.67		**34.0**	*	40-140	12.0	50	L-04	† ‡
Anthracene	0.944	0.17	mg/Kg wet	1.67		56.7		40-140	10.8	30		
Benzo(a)anthracene	1.00	0.17	mg/Kg wet	1.67		60.0		40-140	13.0	30		
Benzo(a)pyrene	0.979	0.17	mg/Kg wet	1.67		58.7		40-140	10.6	30		
Benzo(b)fluoranthene	0.959	0.17	mg/Kg wet	1.67		57.5		40-140	10.2	30		
Benzo(g,h,i)perylene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.9	30		
Benzo(k)fluoranthene	0.942	0.17	mg/Kg wet	1.67		56.5		40-140	11.6	30		
Bis(2-chloroethoxy)methane	1.01	0.34	mg/Kg wet	1.67		60.6		40-140	10.5	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B186451 - SW-846 3546												
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Bis(2-chloroethyl)ether	0.896	0.34	mg/Kg wet	1.67		53.8		40-140	12.7	30		
Bis(2-chloroisopropyl)ether	0.867	0.34	mg/Kg wet	1.67		52.0		40-140	10.3	30		
Bis(2-Ethylhexyl)phthalate	0.921	0.34	mg/Kg wet	1.67		55.3		40-140	9.78	30		
4-Bromophenylphenylether	1.19	0.34	mg/Kg wet	1.67		71.7		40-140	12.0	30		
Butylbenzylphthalate	0.953	0.34	mg/Kg wet	1.67		57.2		40-140	12.6	30		
Carbazole	0.913	0.17	mg/Kg wet	1.67		54.8		40-140	13.0	30		
4-Chloroaniline	0.510	0.66	mg/Kg wet	1.67		**30.6**	*	40-140	17.3	30	L-04	†
4-Chloro-3-methylphenol	0.988	0.66	mg/Kg wet	1.67		59.3		30-130	10.6	30		
2-Chloronaphthalene	0.910	0.34	mg/Kg wet	1.67		54.6		40-140	12.4	30		
2-Chlorophenol	0.956	0.34	mg/Kg wet	1.67		57.4		30-130	10.8	30		
4-Chlorophenylphenylether	1.11	0.34	mg/Kg wet	1.67		66.4		40-140	10.7	30		
Chrysene	0.939	0.17	mg/Kg wet	1.67		56.4		40-140	12.9	30		
Dibenz(a,h)anthracene	1.04	0.17	mg/Kg wet	1.67		62.2		40-140	12.1	30		
Dibenzofuran	0.972	0.34	mg/Kg wet	1.67		58.3		40-140	13.3	30		
Di-n-butylphthalate	0.963	0.34	mg/Kg wet	1.67		57.8		40-140	9.87	30		
3,3-Dichlorobenzidine	1.05	0.17	mg/Kg wet	1.67		62.8		40-140	18.1	30		† ‡
2,4-Dichlorophenol	1.10	0.34	mg/Kg wet	1.67		65.9		30-130	10.1	30		
Diethylphthalate	1.00	0.34	mg/Kg wet	1.67		60.1		40-140	13.0	30		
2,4-Dimethylphenol	1.00	0.34	mg/Kg wet	1.67		60.1		30-130	9.58	30		
Dimethylphthalate	1.04	0.34	mg/Kg wet	1.67		62.7		40-140	10.4	50		
4,6-Dinitro-2-methylphenol	0.832	0.34	mg/Kg wet	1.67		49.9		30-130	8.22	50		
2,4-Dinitrophenol	0.676	0.66	mg/Kg wet	1.67		40.5		30-130	6.45	50		
2,4-Dinitrotoluene	1.08	0.34	mg/Kg wet	1.67		65.0		40-140	13.5	30		
2,6-Dinitrotoluene	1.13	0.34	mg/Kg wet	1.67		67.6		40-140	13.0	30		
Di-n-octylphthalate	0.871	0.34	mg/Kg wet	1.67		52.3		40-140	9.13	30		
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.5		40-140	8.99	30		
Fluorene	0.938	0.17	mg/Kg wet	1.67		56.3		40-140	12.2	30		
Hexachlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.9		40-140	11.0	30		
Hexachlorobutadiene	1.11	0.34	mg/Kg wet	1.67		66.9		40-140	12.6	30		
Hexachlorocyclopentadiene	0.590	0.34	mg/Kg wet	1.67		35.4		30-140	13.7	50	V-05	
Hexachloroethane	0.904	0.34	mg/Kg wet	1.67		54.2		40-140	2.08	50		
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.6	50		
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.6	30		
Isophorone	0.981	0.34	mg/Kg wet	1.67		58.8		40-140	11.0	30		
2-Methylnaphthalene	0.994	0.17	mg/Kg wet	1.67		59.6		40-140	10.9	30		
2-Methylphenol	0.861	0.34	mg/Kg wet	1.67		51.7		30-130	11.8	30		
3/4-Methylphenol	0.941	0.34	mg/Kg wet	1.67		56.5		30-130	9.51	30		
Naphthalene	0.909	0.17	mg/Kg wet	1.67		54.5		40-140	12.6	30		
2-Nitroaniline	0.911	0.34	mg/Kg wet	1.67		54.7		40-140	14.2	30		
3-Nitroaniline	0.785	0.34	mg/Kg wet	1.67		47.1		40-140	9.20	30		†
4-Nitroaniline	0.898	0.34	mg/Kg wet	1.67		53.9		40-140	11.4	30		
Nitrobenzene	0.972	0.34	mg/Kg wet	1.67		58.3		40-140	13.8	30		
2-Nitrophenol	1.00	0.34	mg/Kg wet	1.67		60.1		30-130	10.9	30		
4-Nitrophenol	1.08	0.66	mg/Kg wet	1.67		64.6		10-130	22.2	50		‡
N-Nitrosodiphenylamine	1.24	0.34	mg/Kg wet	1.67		74.2		40-140	10.3	30		
N-Nitrosodi-n-propylamine	0.862	0.34	mg/Kg wet	1.67		51.7		40-140	11.2	30		
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		77.8		40-140	9.36	30	V-16, V-20	
Pentachlorophenol	0.765	0.34	mg/Kg wet	1.67		45.9		30-130	14.0	50		
Phenanthrene	0.938	0.17	mg/Kg wet	1.67		56.3		40-140	13.6	30		
Phenol	0.928	0.34	mg/Kg wet	1.67		55.7		20-130	12.2	30		
Pyrene	1.00	0.17	mg/Kg wet	1.67		60.3		40-140	7.84	30		
Pyridine	0.544	0.34	mg/Kg wet	1.67		32.6		10-140	13.4	50		†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186451 - SW-846 3546										
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
1,2,4,5-Tetrachlorobenzene	1.03	0.34	mg/Kg wet	1.67		62.0	40-140	14.8	30	
1,2,4-Trichlorobenzene	1.13	0.34	mg/Kg wet	1.67		67.5	40-140	10.6	30	
2,4,5-Trichlorophenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130	16.7	30	
2,4,6-Trichlorophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	16.4	50	
Surrogate: 2-Fluorophenol	*4.00*		mg/Kg wet	6.67		60.0	30-130			
Surrogate: Phenol-d6	*3.92*		mg/Kg wet	6.67		58.8	30-130			
Surrogate: Nitrobenzene-d5	*1.99*		mg/Kg wet	3.33		59.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.33		68.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.03*		mg/Kg wet	6.67		90.5	30-130			
Surrogate: p-Terphenyl-d14	*2.55*		mg/Kg wet	3.33		76.6	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186493 - SW-846 3540C										
Blank (B186493-BLK1)				Prepared: 09/18/17 Analyzed: 09/25/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.173*		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.171*		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.176*		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.200		78.5	30-150			
LCS (B186493-BS1)				Prepared: 09/18/17 Analyzed: 09/25/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.1	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.9	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.4	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			
Surrogate: Decachlorobiphenyl	*0.172*		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.161*		mg/Kg wet	0.200		80.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.200		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.150*		mg/Kg wet	0.200		74.9	30-150			
LCS Dup (B186493-BSD1)				Prepared: 09/18/17 Analyzed: 09/25/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.2	40-140	6.97	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.8	40-140	2.31	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.2	40-140	0.951	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.8	40-140	9.81	30	
Surrogate: Decachlorobiphenyl	*0.171*		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.200		82.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186493 - SW-846 3540C										
Matrix Spike (B186493-MS1)		**Source: 17I0462-01**		Prepared: 09/18/17 Analyzed: 09/26/17						
Aroclor-1016	0.26	0.091	mg/Kg dry	0.227	ND	115	40-140			
Aroclor-1016 [2C]	0.24	0.091	mg/Kg dry	0.227	ND	107	40-140			
Aroclor-1260	0.26	0.091	mg/Kg dry	0.227	ND	115	40-140			
Aroclor-1260 [2C]	0.24	0.091	mg/Kg dry	0.227	ND	106	40-140			
Surrogate: Decachlorobiphenyl	*0.246*		mg/Kg dry	0.227		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.235*		mg/Kg dry	0.227		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.238*		mg/Kg dry	0.227		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.229*		mg/Kg dry	0.227		101	30-150			
Matrix Spike Dup (B186493-MSD1)		**Source: 17I0462-01**		Prepared: 09/18/17 Analyzed: 09/26/17						
Aroclor-1016	0.24	0.091	mg/Kg dry	0.227	ND	107	40-140	6.81	50	
Aroclor-1016 [2C]	0.22	0.091	mg/Kg dry	0.227	ND	99.2	40-140	8.05	50	
Aroclor-1260	0.24	0.091	mg/Kg dry	0.227	ND	106	40-140	7.99	50	
Aroclor-1260 [2C]	0.22	0.091	mg/Kg dry	0.227	ND	96.2	40-140	9.63	50	
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg dry	0.227		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.226*		mg/Kg dry	0.227		99.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.234*		mg/Kg dry	0.227		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.220*		mg/Kg dry	0.227		97.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186524 - SW-846 3546										
Blank (B186524-BLK1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.40*		mg/Kg wet	3.33		102	50-150			
LCS (B186524-BS1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	27.1	10	mg/Kg wet	33.3		81.4	60-120			
Surrogate: o-Terphenyl	*3.36*		mg/Kg wet	3.33		101	50-150			
LCS Dup (B186524-BSD1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	28.2	10	mg/Kg wet	33.3		84.7	60-120	3.94	30	
Surrogate: o-Terphenyl	*3.61*		mg/Kg wet	3.33		108	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186443 - SW-846 7471										
Blank (B186443-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B186443-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	8.51	1.9	mg/Kg wet	9.36		90.9	73.7-126.3			
LCS Dup (B186443-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	8.71	1.9	mg/Kg wet	9.36		93.0	73.7-126.3	2.35	30	
Batch B186445 - SW-846 3050B										
Blank (B186445-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B186445-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	67.6	5.0	mg/Kg wet	146		46.3	0-210.3			
Arsenic	137	5.0	mg/Kg wet	157		87.2	77.8-122.1			
Barium	309	5.0	mg/Kg wet	339		91.1	82-117.4			
Beryllium	53.6	0.50	mg/Kg wet	58.3		92.0	82.3-117.7			
Cadmium	190	0.50	mg/Kg wet	216		88.1	81.9-118.2			
Chromium	82.9	1.0	mg/Kg wet	88.9		93.3	78.7-120.6			
Copper	176	1.0	mg/Kg wet	184		95.6	80.4-119.6			
Lead	82.3	1.5	mg/Kg wet	94.3		87.3	82.4-117.8			
Nickel	138	1.0	mg/Kg wet	154		89.7	82.2-117.8			
Selenium	178	10	mg/Kg wet	207		85.8	77.1-122.3			
Silver	41.7	1.0	mg/Kg wet	43.8		95.2	74.3-125.4			
Thallium	152	5.0	mg/Kg wet	167		91.1	78.2-121.6			
Vanadium	87.2	2.0	mg/Kg wet	100		87.2	64.8-135.2			
Zinc	189	2.0	mg/Kg wet	209		90.5	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186445 - SW-846 3050B										
LCS Dup (B186445-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	73.3	4.9	mg/Kg wet	146		50.2	0-210.3	8.02	30	
Arsenic	150	4.9	mg/Kg wet	157		95.8	77.8-122.1	9.44	30	
Barium	332	4.9	mg/Kg wet	339		97.8	82-117.4	7.17	30	
Beryllium	60.5	0.49	mg/Kg wet	58.3		104	82.3-117.7	11.9	30	
Cadmium	210	0.49	mg/Kg wet	216		97.3	81.9-118.2	9.90	30	
Chromium	92.4	0.99	mg/Kg wet	88.9		104	78.7-120.6	10.8	30	
Copper	192	0.99	mg/Kg wet	184		105	80.4-119.6	8.96	30	
Lead	89.1	1.5	mg/Kg wet	94.3		94.5	82.4-117.8	7.87	30	
Nickel	152	0.99	mg/Kg wet	154		98.4	82.2-117.8	9.20	30	
Selenium	194	9.9	mg/Kg wet	207		93.5	77.1-122.3	8.57	30	
Silver	44.4	0.99	mg/Kg wet	43.8		101	74.3-125.4	6.22	30	
Thallium	168	4.9	mg/Kg wet	167		100	78.2-121.6	9.66	30	
Vanadium	96.0	2.0	mg/Kg wet	100		96.0	64.8-135.2	9.59	30	
Zinc	208	2.0	mg/Kg wet	209		99.4	79.7-120.8	9.31	30	
MRL Check (B186445-MRL1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Lead	0.878	0.73	mg/Kg wet	0.734		120	80-120			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186542 - % Solids										
Duplicate (B186542-DUP1)		**Source: 17I0462-01**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	87.3		% Wt		88.3			1.14	20	
Duplicate (B186542-DUP2)		**Source: 17I0462-02**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	89.1		% Wt		89.5			0.448	20	
Duplicate (B186542-DUP3)		**Source: 17I0462-03**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	83.6		% Wt		85.0			1.66	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-6-1

Lab Sample ID: 17I0462-07

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.26	26.1
Aroclor-1260	1	0.000	-0.030	0.030	0.33	
	2	0.000	-0.030	0.030	0.28	16.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-SO-16-1

Lab Sample ID: 17I0462-14

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.088	
	2	0.000	-0.030	0.030	0.092	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-SO-16-3

Lab Sample ID: 17I0462-16

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.37	2.7

con-test® ANALYTICAL LABORATORY

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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

L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH
Fluorene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
2,4,6-Trichlorophenol	CT,NY,NH

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

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

17I0462

con-test ANALYTICAL LABORATORY

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http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 5

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	DCBs soxhlet	ETPH	SVOCs	RSRs 15	VOCs	PAHs
01	WS-AOC-10-SO-1-1	9/12/17	1053		X	S	U	X	X	X	X		
02	WS-AOC-10-SO-1-2	9/12/17	1054		X	S	U	X				X	
03	WS-AOC-10-SO-1-3	9/12/17	1055		X	S	U	X					
04	WS-AOC-10-SO-2-1	9/12/17	1105		X	S	U	X	X	X	X		
05	WS-AOC-10-SO-2-2	9/12/17	1106		X	S	U	X				X	
06	WS-AOC-10-SO-2-3	9/12/17	1107		X	S	U	X					
07	WS-AOC-8-SO-6-1	9/12/17	1117		X	S	U	X					
08	WS-AOC-8-SO-6-2	9/12/17	1118		X	S	U	X	X				X
09	WS-AOC-8-SO-6-3	9/12/17	1119		X	S	U	X					
10	WS-AOC-8-SO-6-4	9/12/17	1120		X	S	U	X					

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature)	Date/Time: 9/12/17 1445
Received by: (signature)	Date/Time: 9/12/17 1445
Relinquished by: (signature)	Date/Time: 9/12/17 410
Received by: (signature) 4.7 C	Date/Time: 9/12/17 1610
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

9/12/17 1610

Table of Contents

con-test® ANALYTICAL LABORATORY
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http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

17I0462

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

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

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

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

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

ANALYSIS REQUESTED

	PCB, Soxhlet	ETPH	SVOCs
# of Containers	1		
² Preservation Code	I		
³ Container Code	A		

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	¹Matrix Code	Conc Code	PCB, Soxhlet	ETPH	SVOCs
11	WS-AOC-10-SO-20-1	9/12/17	1144		X	S	U	X		
12	WS-AOC-10-SO-20-2	9/12/17	1145		X	S	U	X		
13	WS-AOC-10-SO-20-3	9/12/17	1146		X	S	U	X		
14	WS-AOC-10-SO-16-1	9/12/17	1152		X	S	U	X		
15	WS-AOC-10-SO-16-2	9/12/17	1153		X	S	U	X		
16	WS-AOC-10-SO-16-3	9/12/17	1154		X	S	U	X		
17	WS-AOC-10-SO-17-1	9/12/17	1157		X	S	U	X	X	
18	WS-AOC-10-SO-17-2	9/12/17	1158		X	S	U	X		X
19	WS-AOC-10-SO-17-3	9/12/17	1159		X	S	U	X		
20	WS-AOC-10-SO-31-1	9/12/17	1215		X	S	U	X	X	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

	Date/Time:
Relinquished by: (signature) [signature]	9/12/17 1445
Received by: (signature) [signature]	9/12/17 1445
Relinquished by: (signature) [signature]	9/12/17 4/1
Received by: (signature) [signature] 4.7 °C	9/12/17 1010
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT: RES DEC
Other:

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

9/12/17 1610

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By RLF Date 9/12/17 Time 1610

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.7°C
By Blank # ____ Actual Temp -

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-	2	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	4	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		9/12/17 1610	

Unused Media

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

Comments:

D:\HPCHEM\1\DATA\A092017\A0920030.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920030.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	531733	588657	-10
c - 10	1.64	540713	588657	-8
c - 12	2.37	561631	588657	-5
c - 14	3.05	577096	588657	-2
c - 16	3.65	596317	588657	1
c - 18	4.29	595243	588657	1
o-Terphenyl	4.57	668113	588657	
c - 20	4.89	608312	588657	3
c - 22	5.39	624395	588657	6
c - 24	5.83	588340	588657	0
c - 26	6.23	624528	588657	6
c - 28	6.59	617616	588657	5
c - 30	6.92	608143	588657	3
c - 32	7.23	586507	588657	0
c - 34	7.53	585884	588657	0
c - 36	7.87	583391	588657	-1

* One compound allowed %D </= 50%

Samples

17I0466-02
17I0539-08
17I0539-09
17I0539-10
17I0539-11
17I0719-09
17I0719-15
17I0719-08

D:\HPCHEM\1\DATA\A092017\A0920078.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920078.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.30	612810	677806	-10
c - 10	1.64	621044	677806	-8
c - 12	2.37	641848	677806	-5
c - 14	3.04	657244	677806	-3
c - 16	3.65	675340	677806	0
c - 18	4.28	672951	677806	-1
o-Terphenyl	4.56	758306	677806	
c - 20	4.89	687984	677806	2
c - 22	5.39	707178	677806	4
c - 24	5.83	669125	677806	-1
c - 26	6.23	714791	677806	5
c - 28	6.59	713704	677806	5
c - 30	6.92	711731	677806	5
c - 32	7.23	693718	677806	2
c - 34	7.53	693077	677806	2
c - 36	7.87	694545	677806	2

* One compound allowed %D </= 50%

Samples

17I0462-01@5X
17I0462-08@5X
17I0517-02@5X
17I0517-06@100X
17I0517-08@5X
17I0517-11@5X

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

CT ETPH DISCRIMINATION CHECK

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

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

* One compound allowed %D <= 50%

Samples

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

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

CT ETPH DISCRIMINATION CHECK

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

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

* One compound allowed %D <= 50%

Samples

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

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17I0462

Laboratory Sample ID(s):

17I0462-01 thru 17I0462-20

Sample Date(s):

09/12/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

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

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

Printed Name: **Lisa A. Worthington** **Date:** **09/26/17**

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

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

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

October 2, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0641

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

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

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

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

REPORT DATE: 10/2/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0641

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

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

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

con-test® ANALYTICAL LABORATORY

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CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

con-test® ANALYTICAL LABORATORY

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

SW-846 8082A

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

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

MS-19

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

Analyte & Samples(s) Qualified:

Aroclor-1260

B186779-MS1, B186779-MSD1, B186874-MS1

Aroclor-1260 [2C]

B186779-MS1, B186779-MSD1, B186874-MS1

S-01

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

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

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

Decachlorobiphenyl [2C]

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

Tetrachloro-m-xylene

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

Tetrachloro-m-xylene [2C]

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

S-10

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

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

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

Decachlorobiphenyl [2C]

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

Tetrachloro-m-xylene

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

Tetrachloro-m-xylene [2C]

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

SW-846 8270D

Qualifications:

B

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

Analyte & Samples(s) Qualified:

Phenanthrene (SIM)

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

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B-07

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

Analyte & Samples(s) Qualified:

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

E

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

Analyte & Samples(s) Qualified:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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MS-09

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

Analyte & Samples(s) Qualified:

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

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

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

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

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

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

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

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

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

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

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

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

MS-22

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

Analyte & Samples(s) Qualified:

2-Methylnaphthalene
B186760-MSD1

Acenaphthylene
B186760-MSD1

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

Dibenz(a,h)anthracene
B186760-MSD1

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

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

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

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

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

Date Received: 9/14/2017

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

Sample ID: 17I0641-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1221 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1232 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1242 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1248 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1254 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1260 [2]	42	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1262 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1268 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG

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

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

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

Date Received: 9/14/2017

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

Sample ID: 17I0641-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Date Received: 9/14/2017

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

Sample ID: 17I0641-01

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

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

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

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

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

Date Received: 9/14/2017

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

Sample ID: 17I0641-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1221 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1232 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1242 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1248 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1254 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1260 [1]	1.8	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1262 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1268 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG

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

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

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

Date Received: 9/14/2017

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

Sample ID: 17I0641-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

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

Date Received: 9/14/2017

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

Sample ID: 17I0641-02

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

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

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

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R Sampled: 9/14/2017 08:32

Sample ID: 17I0641-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1221 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1232 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1242 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1248 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1254 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1260 [2]	8.3	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1262 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1268 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 12:57
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 12:57
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 12:57
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 12:57

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R Sampled: 9/14/2017 08:32

Sample ID: 17I0641-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R Sampled: 9/14/2017 08:32

Sample ID: 17I0641-03

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1260 [1]	1.7	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.8	30-150		9/28/17 16:18
Decachlorobiphenyl [2]	55.4	30-150		9/28/17 16:18
Tetrachloro-m-xylene [1]	80.6	30-150		9/28/17 16:18
Tetrachloro-m-xylene [2]	79.1	30-150		9/28/17 16:18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R Sampled: 9/14/2017 08:20

Sample ID: 17I0641-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1221 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1232 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1242 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1248 [1]	5.7	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1254 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1260 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1262 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1268 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:09
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:09
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:09
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R Sampled: 9/14/2017 08:20

Sample ID: 17I0641-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R Sampled: 9/14/2017 08:20

Sample ID: 17I0641-04

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1260 [1]	0.73	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	49.9	30-150		9/28/17 16:31
Decachlorobiphenyl [2]	47.7	30-150		9/28/17 16:31
Tetrachloro-m-xylene [1]	85.0	30-150		9/28/17 16:31
Tetrachloro-m-xylene [2]	81.6	30-150		9/28/17 16:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	14	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Acenaphthene	12	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Acenaphthylene	3.7	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Anthracene	16	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Anthracene	20	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(a)anthracene	44	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(a)anthracene	54	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(a)anthracene	58	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Benzo(a)pyrene	49	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(a)pyrene	43	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(a)pyrene	44	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Benzo(b)fluoranthene	75	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(b)fluoranthene	58	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(b)fluoranthene	60	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Benzo(g,h,i)perylene	22	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(g,h,i)perylene	30	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(k)fluoranthene	17	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(k)fluoranthene	24	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Chrysene	39	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Chrysene	54	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Chrysene	56	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Dibenz(a,h)anthracene	11	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Dibenz(a,h)anthracene	8.5	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Fluoranthene	52	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Fluoranthene	150	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Fluoranthene	130	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Fluorene	10	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Fluorene	8.7	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Indeno(1,2,3-cd)pyrene	27	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Indeno(1,2,3-cd)pyrene	33	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
2-Methylnaphthalene	0.82	0.18	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 23:17	BGL
2-Methylnaphthalene	ND	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Naphthalene	2.0	0.18	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Naphthalene	2.2	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Phenanthrene	36	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Phenanthrene	88	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Phenanthrene	78	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Pyrene	46	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Pyrene	110	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Pyrene	100	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	60.4	30-130		9/22/17 23:17
Nitrobenzene-d5	66.6	30-130		9/25/17 12:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		84.0	30-130					9/25/17 13:12	
2-Fluorobiphenyl		71.5	30-130					9/22/17 23:17	
2-Fluorobiphenyl		71.7	30-130					9/25/17 12:45	
2-Fluorobiphenyl		80.0	30-130					9/25/17 13:12	
p-Terphenyl-d14		71.9	30-130					9/22/17 23:17	
p-Terphenyl-d14		80.8	30-130					9/25/17 12:45	
p-Terphenyl-d14		98.0	30-130					9/25/17 13:12	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	7.5	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Acenaphthene (SIM)	8.3	3.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Acenaphthylene (SIM)	0.60	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Acenaphthylene (SIM)	ND	3.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Anthracene (SIM)	2.8	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Anthracene (SIM)	3.1	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(a)anthracene (SIM)	6.3	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(a)anthracene (SIM)	6.3	0.50	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(a)pyrene (SIM)	5.0	0.10	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(a)pyrene (SIM)	5.2	1.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(b)fluoranthene (SIM)	7.1	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(b)fluoranthene (SIM)	7.7	0.50	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(g,h,i)perylene (SIM)	3.1	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(g,h,i)perylene (SIM)	ND	5.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(k)fluoranthene (SIM)	2.4	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(k)fluoranthene (SIM)	2.7	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Chrysene (SIM)	6.6	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Chrysene (SIM)	7.2	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Dibenz(a,h)anthracene (SIM)	0.87	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Dibenz(a,h)anthracene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Fluoranthene (SIM)	16	0.50	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Fluoranthene (SIM)	18	5.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Fluorene (SIM)	3.4	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Fluorene (SIM)	ND	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Indeno(1,2,3-cd)pyrene (SIM)	3.2	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Indeno(1,2,3-cd)pyrene (SIM)	3.2	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
2-Methylnaphthalene (SIM)	ND	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Naphthalene (SIM)	3.4	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Naphthalene (SIM)	ND	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Phenanthrene (SIM)	15	0.050	µg/L	1	B-07, E, B	SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Phenanthrene (SIM)	18	0.50	µg/L	10	B-07, B	SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Pyrene (SIM)	13	1.0	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Pyrene (SIM)	14	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	82.3	30-130		9/24/17 22:27
Nitrobenzene-d5	92.0	30-130		9/25/17 22:26
2-Fluorobiphenyl	82.7	30-130		9/24/17 22:27
2-Fluorobiphenyl	93.7	30-130		9/25/17 22:26
p-Terphenyl-d14	67.6	30-130		9/24/17 22:27
p-Terphenyl-d14	73.4	30-130		9/25/17 22:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R Sampled: 9/14/2017 09:13

Sample ID: 17I0641-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1221 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1232 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1242 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1248 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1254 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1260 [2]	2.9	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1262 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1268 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:22
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:22
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:22
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R Sampled: 9/14/2017 09:13

Sample ID: 17I0641-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R Sampled: 9/14/2017 09:13

Sample ID: 17I0641-06

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1260 [1]	1.4	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.0	30-150		9/28/17 16:50
Decachlorobiphenyl [2]	65.2	30-150		9/28/17 16:50
Tetrachloro-m-xylene [1]	83.1	30-150		9/28/17 16:50
Tetrachloro-m-xylene [2]	80.3	30-150		9/28/17 16:50

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R Sampled: 9/14/2017 09:14

Sample ID: 17I0641-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1221 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1232 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1242 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1248 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1254 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1260 [2]	4.1	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1262 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1268 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:34
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:34
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:34
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:34

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R Sampled: 9/14/2017 09:14

Sample ID: 17I0641-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R Sampled: 9/14/2017 09:14

Sample ID: 17I0641-07

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1260 [1]	1.4	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.7	30-150		9/28/17 17:03
Decachlorobiphenyl [2]	53.9	30-150		9/28/17 17:03
Tetrachloro-m-xylene [1]	80.0	30-150		9/28/17 17:03
Tetrachloro-m-xylene [2]	77.3	30-150		9/28/17 17:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R Sampled: 9/14/2017 09:15

Sample ID: 17I0641-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1016 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1221 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1232 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1242 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1248 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1254 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1254 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1260 [1]	5.3	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1260 [2]	5.7	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1262 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1268 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]		*	30-150	S-10	9/29/17 13:47
Decachlorobiphenyl [1]	148		30-150		10/2/17 13:43
Decachlorobiphenyl [2]		*	30-150	S-10	9/29/17 13:47
Decachlorobiphenyl [2]	**151**	*	30-150		10/2/17 13:43
Tetrachloro-m-xylene [1]		*	30-150	S-10	9/29/17 13:47
Tetrachloro-m-xylene [1]	126		30-150		10/2/17 13:43
Tetrachloro-m-xylene [2]		*	30-150	S-10	9/29/17 13:47
Tetrachloro-m-xylene [2]	138		30-150		10/2/17 13:43

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R Sampled: 9/14/2017 09:15

Sample ID: 17I0641-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R Sampled: 9/14/2017 09:15

Sample ID: 17I0641-08

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1260 [1]	2.1	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.4	30-150		9/28/17 17:16
Decachlorobiphenyl [2]	54.3	30-150		9/28/17 17:16
Tetrachloro-m-xylene [1]	82.0	30-150		9/28/17 17:16
Tetrachloro-m-xylene [2]	78.2	30-150		9/28/17 17:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R Sampled: 9/14/2017 10:10

Sample ID: 17I0641-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1221 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1232 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1242 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1248 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1254 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1260 [1]	5.8	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1262 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1268 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:59
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:59
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:59
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R Sampled: 9/14/2017 10:10

Sample ID: 17I0641-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R Sampled: 9/14/2017 10:10

Sample ID: 17I0641-09

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		9/28/17 18:00
Decachlorobiphenyl [2]	84.3	30-150		9/28/17 18:00
Tetrachloro-m-xylene [1]	85.4	30-150		9/28/17 18:00
Tetrachloro-m-xylene [2]	79.6	30-150		9/28/17 18:00

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R Sampled: 9/14/2017 10:12

Sample ID: 17I0641-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1221 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1232 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1242 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1248 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1254 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1260 [2]	1.6	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1262 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1268 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.8	30-150		9/29/17 14:12
Decachlorobiphenyl [2]	95.6	30-150		9/29/17 14:12
Tetrachloro-m-xylene [1]	103	30-150		9/29/17 14:12
Tetrachloro-m-xylene [2]	106	30-150		9/29/17 14:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R Sampled: 9/14/2017 10:12

Sample ID: 17I0641-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R Sampled: 9/14/2017 10:12

Sample ID: 17I0641-10

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		9/28/17 18:13
Decachlorobiphenyl [2]	84.1	30-150		9/28/17 18:13
Tetrachloro-m-xylene [1]	86.7	30-150		9/28/17 18:13
Tetrachloro-m-xylene [2]	80.5	30-150		9/28/17 18:13

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R Sampled: 9/14/2017 10:24

Sample ID: 17I0641-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1221 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1232 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1242 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1248 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1254 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1260 [2]	11	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1262 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1268 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 14:24
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 14:24
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 14:24
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 14:24

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R Sampled: 9/14/2017 10:24

Sample ID: 17I0641-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R Sampled: 9/14/2017 10:24

Sample ID: 17I0641-11

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1260 [1]	0.68	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		9/28/17 18:26
Decachlorobiphenyl [2]	75.9	30-150		9/28/17 18:26
Tetrachloro-m-xylene [1]	84.7	30-150		9/28/17 18:26
Tetrachloro-m-xylene [2]	80.2	30-150		9/28/17 18:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R Sampled: 9/14/2017 10:17

Sample ID: 17I0641-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1260 [1]	0.88	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.3	30-150		9/29/17 16:30
Decachlorobiphenyl [2]	79.7	30-150		9/29/17 16:30
Tetrachloro-m-xylene [1]	72.3	30-150		9/29/17 16:30
Tetrachloro-m-xylene [2]	73.0	30-150		9/29/17 16:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R Sampled: 9/14/2017 10:17

Sample ID: 17I0641-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R Sampled: 9/14/2017 10:17

Sample ID: 17I0641-12

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1260 [1]	0.23	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.7	30-150		9/28/17 18:40
Decachlorobiphenyl [2]	60.0	30-150		9/28/17 18:40
Tetrachloro-m-xylene [1]	86.6	30-150		9/28/17 18:40
Tetrachloro-m-xylene [2]	81.7	30-150		9/28/17 18:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R Sampled: 9/14/2017 10:27

Sample ID: 17I0641-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1221 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1232 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1242 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1248 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1254 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1260 [2]	34	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1262 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1268 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 15:26
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 15:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 15:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 15:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R Sampled: 9/14/2017 10:27

Sample ID: 17I0641-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R Sampled: 9/14/2017 10:27

Sample ID: 17I0641-13

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1260 [1]	2.0	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.5	30-150		9/28/17 18:53
Decachlorobiphenyl [2]	66.2	30-150		9/28/17 18:53
Tetrachloro-m-xylene [1]	89.9	30-150		9/28/17 18:53
Tetrachloro-m-xylene [2]	84.0	30-150		9/28/17 18:53

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R Sampled: 9/14/2017 10:32

Sample ID: 17I0641-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1221 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1232 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1242 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1248 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1254 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1260 [2]	8.3	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1262 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1268 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 15:38
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 15:38
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 15:38
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 15:38

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R Sampled: 9/14/2017 10:32

Sample ID: 17I0641-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R Sampled: 9/14/2017 10:32

Sample ID: 17I0641-14

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1260 [1]	0.73	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.5	30-150		9/28/17 19:06
Decachlorobiphenyl [2]	61.7	30-150		9/28/17 19:06
Tetrachloro-m-xylene [1]	94.9	30-150		9/28/17 19:06
Tetrachloro-m-xylene [2]	88.8	30-150		9/28/17 19:06

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R Sampled: 9/14/2017 09:52

Sample ID: 17I0641-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1221 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1232 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1242 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1248 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1254 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1260 [2]	5.3	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1262 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1268 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 15:51
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 15:51
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 15:51
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 15:51

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R Sampled: 9/14/2017 09:52

Sample ID: 17I0641-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R Sampled: 9/14/2017 09:52

Sample ID: 17I0641-15

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1260 [1]	0.82	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.0	30-150		9/28/17 19:20
Decachlorobiphenyl [2]	67.7	30-150		9/28/17 19:20
Tetrachloro-m-xylene [1]	91.0	30-150		9/28/17 19:20
Tetrachloro-m-xylene [2]	83.2	30-150		9/28/17 19:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R Sampled: 9/14/2017 10:02

Sample ID: 17I0641-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1254 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1260 [2]	14	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 16:03
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 16:03
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 16:03
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 16:03

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R Sampled: 9/14/2017 10:02

Sample ID: 17I0641-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R Sampled: 9/14/2017 10:02

Sample ID: 17I0641-16

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1221 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1232 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1242 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1248 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1254 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1260 [1]	4.2	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1262 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1268 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.7	30-150		9/29/17 18:07
Decachlorobiphenyl [2]	60.9	30-150		9/29/17 18:07
Tetrachloro-m-xylene [1]	95.5	30-150		9/29/17 18:07
Tetrachloro-m-xylene [2]	91.6	30-150		9/29/17 18:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R Sampled: 9/14/2017 10:54

Sample ID: 17I0641-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1254 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1260 [2]	15	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 16:16
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 16:16
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 16:16
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 16:16

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R Sampled: 9/14/2017 10:54

Sample ID: 17I0641-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R Sampled: 9/14/2017 10:54

Sample ID: 17I0641-17

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1260 [1]	0.69	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.5	30-150		9/28/17 19:46
Decachlorobiphenyl [2]	50.1	30-150		9/28/17 19:46
Tetrachloro-m-xylene [1]	86.7	30-150		9/28/17 19:46
Tetrachloro-m-xylene [2]	80.1	30-150		9/28/17 19:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R Sampled: 9/14/2017 11:06

Sample ID: 17I0641-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.7	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Acenaphthene	1.7	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Acenaphthylene	0.37	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Acenaphthylene	ND	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Anthracene	2.0	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Anthracene	1.9	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(a)anthracene	4.5	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(a)anthracene	4.7	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(a)pyrene	4.4	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(a)pyrene	4.4	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(b)fluoranthene	4.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(b)fluoranthene	5.0	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(g,h,i)perylene	3.0	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(g,h,i)perylene	2.7	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(k)fluoranthene	1.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(k)fluoranthene	1.9	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Chrysene	3.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Chrysene	4.1	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Dibenz(a,h)anthracene	0.66	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Dibenz(a,h)anthracene	ND	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Fluoranthene	13	0.25	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Fluoranthene	10	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Fluorene	1.4	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Fluorene	1.5	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Indeno(1,2,3-cd)pyrene	2.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Indeno(1,2,3-cd)pyrene	2.8	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
2-Methylnaphthalene	0.72	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
2-Methylnaphthalene	ND	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Naphthalene	2.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Naphthalene	3.0	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Phenanthrene	8.5	0.25	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Phenanthrene	7.5	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Pyrene	9.8	0.25	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Pyrene	9.1	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	45.4	30-130		9/25/17 11:00
Nitrobenzene-d5	46.7	30-130		9/25/17 11:26
2-Fluorobiphenyl	66.2	30-130		9/25/17 11:00
2-Fluorobiphenyl	64.3	30-130		9/25/17 11:26
p-Terphenyl-d14	63.9	30-130		9/25/17 11:00
p-Terphenyl-d14	65.7	30-130		9/25/17 11:26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R Sampled: 9/14/2017 11:06

Sample ID: 17I0641-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R Sampled: 9/14/2017 11:06

Sample ID: 17I0641-18

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	5.3	0.29	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Acenaphthene (SIM)	5.7	2.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Acenaphthylene (SIM)	ND	2.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Anthracene (SIM)	3.7	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Anthracene (SIM)	3.7	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(a)anthracene (SIM)	3.4	0.049	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(a)anthracene (SIM)	3.5	0.49	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(a)pyrene (SIM)	2.1	0.098	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(a)pyrene (SIM)	2.2	0.98	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(b)fluoranthene (SIM)	2.4	0.049	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(b)fluoranthene (SIM)	2.7	0.49	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(g,h,i)perylene (SIM)	0.88	0.49	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(g,h,i)perylene (SIM)	ND	4.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(k)fluoranthene (SIM)	0.82	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(k)fluoranthene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Chrysene (SIM)	3.4	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Chrysene (SIM)	3.7	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Dibenz(a,h)anthracene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Fluoranthene (SIM)	14	0.49	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Fluoranthene (SIM)	16	4.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Fluorene (SIM)	2.8	0.98	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Fluorene (SIM)	ND	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Indeno(1,2,3-cd)pyrene (SIM)	0.90	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
2-Methylnaphthalene (SIM)	ND	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Naphthalene (SIM)	ND	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Phenanthrene (SIM)	16	0.049	µg/L	1	B-07, E, B	SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Phenanthrene (SIM)	18	0.49	µg/L	10	B-07, B	SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Pyrene (SIM)	14	0.98	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Pyrene (SIM)	15	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	69.4	30-130		9/24/17 22:55
Nitrobenzene-d5	76.0	30-130		9/25/17 22:54
2-Fluorobiphenyl	69.8	30-130		9/24/17 22:55
2-Fluorobiphenyl	78.8	30-130		9/25/17 22:54
p-Terphenyl-d14	49.9	30-130		9/24/17 22:55
p-Terphenyl-d14	50.3	30-130		9/25/17 22:54

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R Sampled: 9/14/2017 11:24

Sample ID: 17I0641-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.97	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Acenaphthene	1.0	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Acenaphthylene	ND	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Anthracene	1.1	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Anthracene	1.1	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(a)anthracene	1.9	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(a)anthracene	2.1	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(a)pyrene	1.7	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(a)pyrene	1.8	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(b)fluoranthene	1.8	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(b)fluoranthene	2.0	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(g,h,i)perylene	0.99	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(g,h,i)perylene	1.3	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(k)fluoranthene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(k)fluoranthene	0.75	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Chrysene	1.8	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Chrysene	1.9	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Dibenz(a,h)anthracene	0.24	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Dibenz(a,h)anthracene	ND	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Fluoranthene	5.9	0.21	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Fluoranthene	5.7	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Fluorene	0.72	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Fluorene	0.75	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Indeno(1,2,3-cd)pyrene	1.0	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Indeno(1,2,3-cd)pyrene	1.3	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
2-Methylnaphthalene	0.38	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
2-Methylnaphthalene	0.42	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Naphthalene	1.6	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Naphthalene	1.7	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Phenanthrene	4.3	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Phenanthrene	4.3	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Pyrene	5.2	0.21	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Pyrene	4.8	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	55.4	30-130		9/22/17 20:54
Nitrobenzene-d5	58.8	30-130		9/25/17 11:52
2-Fluorobiphenyl	67.6	30-130		9/22/17 20:54
2-Fluorobiphenyl	70.1	30-130		9/25/17 11:52
p-Terphenyl-d14	82.5	30-130		9/22/17 20:54
p-Terphenyl-d14	76.4	30-130		9/25/17 11:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R Sampled: 9/14/2017 11:24

Sample ID: 17I0641-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R Sampled: 9/14/2017 11:24

Sample ID: 17I0641-19

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	8.1	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Anthracene (SIM)	1.1	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(a)anthracene (SIM)	0.14	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(b)fluoranthene (SIM)	0.098	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Fluoranthene (SIM)	1.7	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Fluorene (SIM)	3.0	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Naphthalene (SIM)	4.8	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Phenanthrene (SIM)	6.5	0.050	µg/L	1	B-07, B	SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Pyrene (SIM)	1.3	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	79.9	30-130		9/24/17 23:23
2-Fluorobiphenyl	81.6	30-130		9/24/17 23:23
p-Terphenyl-d14	69.1	30-130		9/24/17 23:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R Sampled: 9/14/2017 11:31

Sample ID: 17I0641-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.6	0.21	mg/Kg dry	1	MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Acenaphthene	4.6	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Acenaphthylene	0.61	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Acenaphthylene	ND	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Anthracene	6.7	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Anthracene	6.1	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(a)anthracene	8.3	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(a)anthracene	9.4	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(a)pyrene	8.0	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(a)pyrene	8.3	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(b)fluoranthene	8.1	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(b)fluoranthene	8.9	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(g,h,i)perylene	4.4	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(g,h,i)perylene	5.8	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(k)fluoranthene	3.0	0.21	mg/Kg dry	1	MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(k)fluoranthene	3.4	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Chrysene	7.7	0.21	mg/Kg dry	1	MS-09, E	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Chrysene	8.6	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Dibenz(a,h)anthracene	1.1	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Dibenz(a,h)anthracene	ND	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Fluoranthene	25	0.21	mg/Kg dry	1	MS-09, E	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Fluoranthene	25	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Fluorene	4.1	0.21	mg/Kg dry	1	MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Fluorene	4.1	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Indeno(1,2,3-cd)pyrene	4.5	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Indeno(1,2,3-cd)pyrene	5.9	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
2-Methylnaphthalene	2.3	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
2-Methylnaphthalene	2.6	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Naphthalene	7.0	0.21	mg/Kg dry	1	MS-09, E	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Naphthalene	7.0	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Phenanthrene	22	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Phenanthrene	23	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Pyrene	25	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Pyrene	23	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	66.4	30-130		9/22/17 21:18
Nitrobenzene-d5	71.4	30-130		9/25/17 12:19
2-Fluorobiphenyl	80.8	30-130		9/22/17 21:18
2-Fluorobiphenyl	85.4	30-130		9/25/17 12:19
p-Terphenyl-d14	105	30-130		9/22/17 21:18
p-Terphenyl-d14	98.3	30-130		9/25/17 12:19

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R Sampled: 9/14/2017 11:31

Sample ID: 17I0641-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R Sampled: 9/14/2017 11:31

Sample ID: 17I0641-20

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	8.4	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Anthracene (SIM)	0.85	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(a)anthracene (SIM)	0.065	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Fluoranthene (SIM)	1.2	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Fluorene (SIM)	2.3	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
2-Methylnaphthalene (SIM)	1.9	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Naphthalene (SIM)	8.4	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Phenanthrene (SIM)	4.5	0.050	µg/L	1	B-07, B	SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	81.2	30-130		9/24/17 23:52
2-Fluorobiphenyl	82.3	30-130		9/24/17 23:52
p-Terphenyl-d14	71.1	30-130		9/24/17 23:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0641-01 [WS-AOC-07-SO-13-1R]	B186579	09/19/17
17I0641-02 [WS-AOC-07-SO-14-2R]	B186579	09/19/17
17I0641-03 [WS-AOC-07-SO-14-3R]	B186579	09/19/17
17I0641-04 [WS-AOC-07-SO-15-1R]	B186579	09/19/17
17I0641-05 [WS-AOC-8-SO-2-1R]	B186579	09/19/17
17I0641-06 [WS-AOC-8-SO-4-1R]	B186579	09/19/17
17I0641-07 [WS-AOC-8-SO-4-2R]	B186579	09/19/17
17I0641-08 [WS-AOC-8-SO-4-3R]	B186579	09/19/17
17I0641-09 [WS-AOC-9-SO-4-1R]	B186579	09/19/17
17I0641-10 [WS-AOC-9-SO-7-2R]	B186579	09/19/17
17I0641-11 [WS-AOC-9-SO-9-1R]	B186579	09/19/17
17I0641-12 [WS-AOC-9-SO-10-1R]	B186579	09/19/17
17I0641-13 [WS-AOC-9-SO-16-2R]	B186579	09/19/17
17I0641-14 [WS-AOC-9-SO-21-1R]	B186579	09/19/17
17I0641-15 [WS-AOC-9-SO-23-4R]	B186579	09/19/17
17I0641-16 [WS-AOC-9-SO-27-1R]	B186579	09/19/17
17I0641-17 [WS-AOC-9-SO-31-1R]	B186579	09/19/17
17I0641-18 [WS-AOC-9-SO-32-3R]	B186579	09/19/17
17I0641-19 [WS-AOC-9-SO-35-3R]	B186579	09/19/17
17I0641-20 [WS-AOC-9-SO-37-3R]	B186579	09/19/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0641-01 [WS-AOC-07-SO-13-1R]	B186779	10.2	10.0	09/21/17
17I0641-02 [WS-AOC-07-SO-14-2R]	B186779	10.0	10.0	09/21/17
17I0641-03 [WS-AOC-07-SO-14-3R]	B186779	10.0	10.0	09/21/17
17I0641-04 [WS-AOC-07-SO-15-1R]	B186779	10.5	10.0	09/21/17
17I0641-06 [WS-AOC-8-SO-4-1R]	B186779	10.4	10.0	09/21/17
17I0641-07 [WS-AOC-8-SO-4-2R]	B186779	10.1	10.0	09/21/17
17I0641-08 [WS-AOC-8-SO-4-3R]	B186779	10.1	10.0	09/21/17
17I0641-09 [WS-AOC-9-SO-4-1R]	B186779	10.3	10.0	09/21/17
17I0641-10 [WS-AOC-9-SO-7-2R]	B186779	10.0	10.0	09/21/17
17I0641-11 [WS-AOC-9-SO-9-1R]	B186779	10.5	10.0	09/21/17
17I0641-12 [WS-AOC-9-SO-10-1R]	B186779	10.5	10.0	09/21/17
17I0641-13 [WS-AOC-9-SO-16-2R]	B186779	10.0	10.0	09/21/17
17I0641-14 [WS-AOC-9-SO-21-1R]	B186779	10.5	10.0	09/21/17
17I0641-15 [WS-AOC-9-SO-23-4R]	B186779	10.3	10.0	09/21/17
17I0641-16 [WS-AOC-9-SO-27-1R]	B186779	10.0	10.0	09/21/17
17I0641-17 [WS-AOC-9-SO-31-1R]	B186779	10.1	10.0	09/21/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0641-08RE1 [WS-AOC-8-SO-4-3R]	B187427	10.6	10.0	09/29/17

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 9/20/2017 per SW-846 1312 in Batch B186630**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0641-01 [WS-AOC-07-SO-13-1R]	B186874	500	5.00	09/22/17
17I0641-02 [WS-AOC-07-SO-14-2R]	B186874	500	5.00	09/22/17

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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 9/20/2017 per SW-846 1312 in Batch B186630**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0641-03 [WS-AOC-07-SO-14-3R]	B186874	500	5.00	09/22/17
17I0641-04 [WS-AOC-07-SO-15-1R]	B186874	500	5.00	09/22/17
17I0641-06 [WS-AOC-8-SO-4-1R]	B186874	500	5.00	09/22/17
17I0641-07 [WS-AOC-8-SO-4-2R]	B186874	500	5.00	09/22/17
17I0641-08 [WS-AOC-8-SO-4-3R]	B186874	500	5.00	09/22/17
17I0641-09 [WS-AOC-9-SO-4-1R]	B186874	500	5.00	09/22/17
17I0641-10 [WS-AOC-9-SO-7-2R]	B186874	500	5.00	09/22/17
17I0641-11 [WS-AOC-9-SO-9-1R]	B186874	500	5.00	09/22/17
17I0641-12 [WS-AOC-9-SO-10-1R]	B186874	500	5.00	09/22/17
17I0641-13 [WS-AOC-9-SO-16-2R]	B186874	500	5.00	09/22/17
17I0641-14 [WS-AOC-9-SO-21-1R]	B186874	500	5.00	09/22/17
17I0641-15 [WS-AOC-9-SO-23-4R]	B186874	500	5.00	09/22/17
17I0641-16 [WS-AOC-9-SO-27-1R]	B186874	500	5.00	09/22/17
17I0641-17 [WS-AOC-9-SO-31-1R]	B186874	500	5.00	09/22/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0641-05 [WS-AOC-8-SO-2-1R]	B186760	30.1	1.00	09/21/17
17I0641-05RE1 [WS-AOC-8-SO-2-1R]	B186760	30.1	1.00	09/21/17
17I0641-05RE2 [WS-AOC-8-SO-2-1R]	B186760	30.1	1.00	09/21/17
17I0641-18 [WS-AOC-9-SO-32-3R]	B186760	30.0	1.00	09/21/17
17I0641-18RE1 [WS-AOC-9-SO-32-3R]	B186760	30.0	1.00	09/21/17
17I0641-19 [WS-AOC-9-SO-35-3R]	B186760	30.0	1.00	09/21/17
17I0641-19RE1 [WS-AOC-9-SO-35-3R]	B186760	30.0	1.00	09/21/17
17I0641-20 [WS-AOC-9-SO-37-3R]	B186760	30.1	1.00	09/21/17
17I0641-20RE1 [WS-AOC-9-SO-37-3R]	B186760	30.1	1.00	09/21/17

Prep Method: SW-846 3510C-SW-846 8270D **Leachates were extracted on 9/20/2017 per SW-846 1312 in Batch B186630**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0641-05 [WS-AOC-8-SO-2-1R]	B186799	1000	1.00	09/21/17
17I0641-05RE1 [WS-AOC-8-SO-2-1R]	B186799	1000	1.00	09/21/17
17I0641-18 [WS-AOC-9-SO-32-3R]	B186799	920	0.900	09/21/17
17I0641-18RE1 [WS-AOC-9-SO-32-3R]	B186799	920	0.900	09/21/17
17I0641-19 [WS-AOC-9-SO-35-3R]	B186799	1000	1.00	09/21/17
17I0641-20 [WS-AOC-9-SO-37-3R]	B186799	1000	1.00	09/21/17

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186760 - SW-846 3546										
Blank (B186760-BLK1)				Prepared: 09/21/17 Analyzed: 09/22/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*1.91*		mg/Kg wet	3.33		57.4	30-130			
Surrogate: 2-Fluorobiphenyl	*2.13*		mg/Kg wet	3.33		63.8	30-130			
Surrogate: p-Terphenyl-d14	*2.71*		mg/Kg wet	3.33		81.4	30-130			
LCS (B186760-BS1)				Prepared: 09/21/17 Analyzed: 09/22/17						
Acenaphthene	0.883	0.17	mg/Kg wet	1.67		53.0	40-140			
Acenaphthylene	0.902	0.17	mg/Kg wet	1.67		54.1	40-140			
Anthracene	0.988	0.17	mg/Kg wet	1.67		59.3	40-140			
Benzo(a)anthracene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Benzo(a)pyrene	1.02	0.17	mg/Kg wet	1.67		61.3	40-140			
Benzo(b)fluoranthene	0.984	0.17	mg/Kg wet	1.67		59.0	40-140			
Benzo(g,h,i)perylene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Benzo(k)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
Chrysene	0.992	0.17	mg/Kg wet	1.67		59.5	40-140			
Dibenz(a,h)anthracene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Fluorene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
Indeno(1,2,3-cd)pyrene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140			
2-Methylnaphthalene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Naphthalene	0.912	0.17	mg/Kg wet	1.67		54.7	40-140			
Phenanthrene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140			
Pyrene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Surrogate: Nitrobenzene-d5	*2.07*		mg/Kg wet	3.33		62.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.40*		mg/Kg wet	3.33		72.0	30-130			
Surrogate: p-Terphenyl-d14	*2.73*		mg/Kg wet	3.33		81.9	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186760 - SW-846 3546											
LCS Dup (B186760-BSD1)				Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene	0.961	0.17	mg/Kg wet	1.67		57.7		40-140	8.53	30	
Acenaphthylene	0.966	0.17	mg/Kg wet	1.67		58.0		40-140	6.89	30	
Anthracene	1.08	0.17	mg/Kg wet	1.67		64.9		40-140	9.11	30	
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		68.1		40-140	7.03	30	
Benzo(a)pyrene	1.08	0.17	mg/Kg wet	1.67		65.0		40-140	5.89	30	
Benzo(b)fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.7		40-140	9.12	30	
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140	7.72	30	
Benzo(k)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.4		40-140	6.44	30	
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8		40-140	8.50	30	
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.4		40-140	9.87	30	
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0		40-140	7.89	30	
Fluorene	1.09	0.17	mg/Kg wet	1.67		65.2		40-140	7.65	30	
Indeno(1,2,3-cd)pyrene	1.19	0.17	mg/Kg wet	1.67		71.5		40-140	5.67	30	
2-Methylnaphthalene	1.12	0.17	mg/Kg wet	1.67		67.0		40-140	8.68	30	
Naphthalene	0.987	0.17	mg/Kg wet	1.67		59.2		40-140	7.90	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		65.9		40-140	9.00	30	
Pyrene	1.13	0.17	mg/Kg wet	1.67		67.9		40-140	7.81	30	
Surrogate: Nitrobenzene-d5	*2.24*		mg/Kg wet	3.33		67.3		30-130			
Surrogate: 2-Fluorobiphenyl	*2.60*		mg/Kg wet	3.33		77.9		30-130			
Surrogate: p-Terphenyl-d14	*2.95*		mg/Kg wet	3.33		88.5		30-130			
Matrix Spike (B186760-MS1)	**Source: 17I0641-20**			Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene	4.62	0.21	mg/Kg dry	2.05	4.62	**0.140**	*	40-140			MS-09
Acenaphthylene	1.54	0.21	mg/Kg dry	2.05	0.611	45.1		40-140			
Anthracene	6.26	0.21	mg/Kg dry	2.05	6.72	**-22.4**	*	40-140			MS-09
Benzo(a)anthracene	7.36	0.21	mg/Kg dry	2.05	8.33	**-47.6**	*	40-140			MS-09
Benzo(a)pyrene	6.66	0.21	mg/Kg dry	2.05	7.99	**-64.8**	*	40-140			MS-09
Benzo(b)fluoranthene	6.57	0.21	mg/Kg dry	2.05	8.08	**-73.6**	*	40-140			MS-09
Benzo(g,h,i)perylene	5.12	0.21	mg/Kg dry	2.05	4.40	**35.2**	*	40-140			MS-22
Benzo(k)fluoranthene	3.26	0.21	mg/Kg dry	2.05	3.00	**12.9**	*	40-140			MS-09
Chrysene	6.64	0.21	mg/Kg dry	2.05	7.71	**-52.3**	*	40-140			MS-09
Dibenz(a,h)anthracene	1.93	0.21	mg/Kg dry	2.05	1.07	41.9		40-140			
Fluoranthene	20.8	0.21	mg/Kg dry	2.05	25.3	**-217**	*	40-140			MS-09
Fluorene	4.28	0.21	mg/Kg dry	2.05	4.07	**10.1**	*	40-140			MS-09
Indeno(1,2,3-cd)pyrene	5.14	0.21	mg/Kg dry	2.05	4.49	**31.7**	*	40-140			MS-22
2-Methylnaphthalene	3.31	0.21	mg/Kg dry	2.05	2.33	48.0		40-140			
Naphthalene	7.53	0.21	mg/Kg dry	2.05	6.95	**28.1**	*	40-140			MS-09
Phenanthrene	18.8	0.21	mg/Kg dry	2.05	21.8	**-146**	*	40-140			MS-09
Pyrene	19.5	0.21	mg/Kg dry	2.05	24.8	**-257**	*	40-140			MS-09
Surrogate: Nitrobenzene-d5	*2.52*		mg/Kg dry	4.10		61.5		30-130			
Surrogate: 2-Fluorobiphenyl	*2.90*		mg/Kg dry	4.10		70.7		30-130			
Surrogate: p-Terphenyl-d14	*3.41*		mg/Kg dry	4.10		83.1		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186760 - SW-846 3546											
Matrix Spike Dup (B186760-MSD1)		**Source: 17I0641-20**		Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene	4.32	0.21	mg/Kg dry	2.05	4.62	**-14.8**	*	40-140	6.87	30	MS-09
Acenaphthylene	1.32	0.21	mg/Kg dry	2.05	0.611	**34.8**	*	40-140	14.8	30	MS-22
Anthracene	6.25	0.21	mg/Kg dry	2.05	6.72	**-22.9**	*	40-140	0.177	30	MS-09
Benzo(a)anthracene	8.19	0.21	mg/Kg dry	2.05	8.33	**-7.02**	*	40-140	10.7	30	MS-09
Benzo(a)pyrene	7.60	0.21	mg/Kg dry	2.05	7.99	**-18.8**	*	40-140	13.3	30	MS-09
Benzo(b)fluoranthene	7.39	0.21	mg/Kg dry	2.05	8.08	**-33.4**	*	40-140	11.8	30	MS-09
Benzo(g,h,i)perylene	5.59	0.21	mg/Kg dry	2.05	4.40	58.0		40-140	8.72	30	
Benzo(k)fluoranthene	3.58	0.21	mg/Kg dry	2.05	3.00	**28.5**	*	40-140	9.32	30	MS-09
Chrysene	7.41	0.21	mg/Kg dry	2.05	7.71	**-14.7**	*	40-140	11.0	30	MS-09
Dibenz(a,h)anthracene	1.85	0.21	mg/Kg dry	2.05	1.07	**38.1**	*	40-140	4.03	30	MS-22
Fluoranthene	23.1	0.21	mg/Kg dry	2.05	25.3	**-107**	*	40-140	10.2	30	MS-09
Fluorene	4.02	0.21	mg/Kg dry	2.05	4.07	**-2.60**	*	40-140	6.29	30	MS-09
Indeno(1,2,3-cd)pyrene	5.58	0.21	mg/Kg dry	2.05	4.49	53.1		40-140	8.18	30	
2-Methylnaphthalene	2.95	0.21	mg/Kg dry	2.05	2.33	**30.1**	*	40-140	11.7	30	MS-22
Naphthalene	6.59	0.21	mg/Kg dry	2.05	6.95	**-17.8**	*	40-140	13.3	30	MS-09
Phenanthrene	19.4	0.21	mg/Kg dry	2.05	21.8	**-116**	*	40-140	3.18	30	MS-09
Pyrene	21.9	0.21	mg/Kg dry	2.05	24.8	**-141**	*	40-140	11.5	30	MS-09
Surrogate: Nitrobenzene-d5	*2.25*		mg/Kg dry	4.10		55.0		30-130			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/Kg dry	4.10		60.2		30-130			
Surrogate: p-Terphenyl-d14	*2.93*		mg/Kg dry	4.10		71.4		30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186779 - SW-846 3540C											
Blank (B186779-BLK1)				Prepared: 09/21/17 Analyzed: 09/29/17							
Aroclor-1016	ND	0.020	mg/Kg wet								
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1221	ND	0.020	mg/Kg wet								
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1232	ND	0.020	mg/Kg wet								
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1242	ND	0.020	mg/Kg wet								
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1248	ND	0.020	mg/Kg wet								
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1254	ND	0.020	mg/Kg wet								
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1260	ND	0.020	mg/Kg wet								
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1262	ND	0.020	mg/Kg wet								
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1268	ND	0.020	mg/Kg wet								
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet								
Surrogate: Decachlorobiphenyl	*0.241*		mg/Kg wet	0.200		120		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		97.9		30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.148*		mg/Kg wet	0.200		73.8		30-150			
LCS (B186779-BS1)				Prepared: 09/21/17 Analyzed: 09/29/17							
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.6		40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.6		40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.6		40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.8		40-140			
Surrogate: Decachlorobiphenyl	*0.238*		mg/Kg wet	0.200		119		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		98.2		30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		101		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.146*		mg/Kg wet	0.200		73.0		30-150			
Matrix Spike (B186779-MS1)		**Source: 17I0641-01**		Prepared: 09/21/17 Analyzed: 09/29/17							
Aroclor-1016	0.22	0.082	mg/Kg dry	0.204	ND	106		40-140			
Aroclor-1016 [2C]	0.21	0.082	mg/Kg dry	0.204	ND	101		40-140			
Aroclor-1260	25	0.082	mg/Kg dry	0.204	38	**-6590**	*	40-140			MS-19
Aroclor-1260 [2C]	14	0.082	mg/Kg dry	0.204	42	**-13500**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.155*		mg/Kg dry	0.204		76.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg dry	0.204		87.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.204		95.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg dry	0.204		92.8		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186779 - SW-846 3540C											
Matrix Spike Dup (B186779-MSD1)		**Source: 17I0641-01**		Prepared: 09/21/17 Analyzed: 09/29/17							
Aroclor-1016	0.24	0.082	mg/Kg dry	0.206	ND	116		40-140		50	
Aroclor-1016 [2C]	0.23	0.082	mg/Kg dry	0.206	ND	109		40-140		50	
Aroclor-1260	26	0.082	mg/Kg dry	0.206	38	**-6060**	*	40-140	3.70	50	MS-19
Aroclor-1260 [2C]	15	0.082	mg/Kg dry	0.206	42	**-13000**	*	40-140	5.37	50	MS-19
Surrogate: Decachlorobiphenyl	*0.161*		mg/Kg dry	0.206		78.1		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg dry	0.206		85.2		30-150			
Surrogate: Tetrachloro-m-xylene	*0.202*		mg/Kg dry	0.206		98.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.202*		mg/Kg dry	0.206		98.1		30-150			
Batch B187427 - SW-846 3540C											
Blank (B187427-BLK1)				Prepared: 09/29/17 Analyzed: 10/02/17							
Aroclor-1016	ND	0.020	mg/Kg wet								
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1221	ND	0.020	mg/Kg wet								
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1232	ND	0.020	mg/Kg wet								
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1242	ND	0.020	mg/Kg wet								
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1248	ND	0.020	mg/Kg wet								
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1254	ND	0.020	mg/Kg wet								
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1260	ND	0.020	mg/Kg wet								
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1262	ND	0.020	mg/Kg wet								
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1268	ND	0.020	mg/Kg wet								
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet								
Surrogate: Decachlorobiphenyl	*0.146*		mg/Kg wet	0.200		73.1		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.131*		mg/Kg wet	0.200		65.6		30-150			
Surrogate: Tetrachloro-m-xylene	*0.145*		mg/Kg wet	0.200		72.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.138*		mg/Kg wet	0.200		69.0		30-150			
LCS (B187427-BS1)				Prepared: 09/29/17 Analyzed: 10/02/17							
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.6		40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.7		40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.8		40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.5		40-140			
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		96.8		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.171*		mg/Kg wet	0.200		85.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.166*		mg/Kg wet	0.200		82.8		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B187427 - SW-846 3540C										
LCS Dup (B187427-BSD1)				Prepared: 09/29/17 Analyzed: 10/02/17						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		76.8	40-140	14.3	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		73.1	40-140	13.6	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		71.9	40-140	17.7	30	
Aroclor-1260 [2C]	0.13	0.020	mg/Kg wet	0.200		64.0	40-140	16.5	30	
Surrogate: Decachlorobiphenyl	*0.159*		mg/Kg wet	0.200		79.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.143*		mg/Kg wet	0.200		71.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.160*		mg/Kg wet	0.200		80.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.151*		mg/Kg wet	0.200		75.6	30-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186579 - % Solids										
Duplicate (B186579-DUP1)		**Source: 17I0641-20**		Prepared & Analyzed: 09/19/17						
% Solids	83.6		% Wt		81.0			3.16	20	

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QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186799 - SW-846 3510C										
Blank (B186799-BLK1)				Prepared: 09/21/17 Analyzed: 09/24/17						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	0.14	0.050	µg/L							B
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*73.6*		µg/L	100		73.6	30-130			
Surrogate: 2-Fluorobiphenyl	*77.0*		µg/L	100		77.0	30-130			
Surrogate: p-Terphenyl-d14	*75.6*		µg/L	100		75.6	30-130			
LCS (B186799-BS1)				Prepared: 09/21/17 Analyzed: 09/22/17						
Acenaphthene (SIM)	37.9	7.5	µg/L	50.0		75.8	40-140			
Acenaphthylene (SIM)	37.0	7.5	µg/L	50.0		73.9	40-140			
Anthracene (SIM)	40.3	5.0	µg/L	50.0		80.6	40-140			
Benzo(a)anthracene (SIM)	40.9	1.2	µg/L	50.0		81.8	40-140			
Benzo(a)pyrene (SIM)	42.5	2.5	µg/L	50.0		85.0	40-140			
Benzo(b)fluoranthene (SIM)	43.5	1.2	µg/L	50.0		87.0	40-140			
Benzo(g,h,i)perylene (SIM)	39.4	12	µg/L	50.0		78.7	40-140			
Benzo(k)fluoranthene (SIM)	42.4	5.0	µg/L	50.0		84.8	40-140			
Chrysene (SIM)	41.1	5.0	µg/L	50.0		82.2	40-140			
Dibenz(a,h)anthracene (SIM)	40.7	5.0	µg/L	50.0		81.4	40-140			
Fluoranthene (SIM)	39.3	12	µg/L	50.0		78.6	40-140			
Fluorene (SIM)	38.7	25	µg/L	50.0		77.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	39.9	5.0	µg/L	50.0		79.8	40-140			
2-Methylnaphthalene (SIM)	35.9	25	µg/L	50.0		71.8	40-140			
Naphthalene (SIM)	35.2	25	µg/L	50.0		70.4	40-140			
Phenanthrene (SIM)	39.3	1.2	µg/L	50.0		78.6	40-140			B
Pyrene (SIM)	41.6	25	µg/L	50.0		83.2	40-140			
Surrogate: Nitrobenzene-d5	*79.7*		µg/L	100		79.7	30-130			
Surrogate: 2-Fluorobiphenyl	*86.6*		µg/L	100		86.6	30-130			
Surrogate: p-Terphenyl-d14	*72.9*		µg/L	100		72.9	30-130			

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QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B186799 - SW-846 3510C											
LCS Dup (B186799-BSD1)				Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene (SIM)	37.2	7.5	µg/L	50.0		74.4	40-140	1.86	20		
Acenaphthylene (SIM)	36.2	7.5	µg/L	50.0		72.4	40-140	2.05	20		
Anthracene (SIM)	39.7	5.0	µg/L	50.0		79.4	40-140	1.56	20		
Benzo(a)anthracene (SIM)	39.6	1.2	µg/L	50.0		79.3	40-140	3.10	20		
Benzo(a)pyrene (SIM)	41.3	2.5	µg/L	50.0		82.6	40-140	2.80	20		
Benzo(b)fluoranthene (SIM)	42.6	1.2	µg/L	50.0		85.2	40-140	2.15	20		
Benzo(g,h,i)perylene (SIM)	38.3	12	µg/L	50.0		76.6	40-140	2.64	20		
Benzo(k)fluoranthene (SIM)	41.3	5.0	µg/L	50.0		82.6	40-140	2.63	20		
Chrysene (SIM)	40.0	5.0	µg/L	50.0		80.0	40-140	2.77	20		
Dibenz(a,h)anthracene (SIM)	39.1	5.0	µg/L	50.0		78.2	40-140	4.01	20		
Fluoranthene (SIM)	38.7	12	µg/L	50.0		77.4	40-140	1.60	20		
Fluorene (SIM)	37.7	25	µg/L	50.0		75.4	40-140	2.75	20		
Indeno(1,2,3-cd)pyrene (SIM)	38.6	5.0	µg/L	50.0		77.2	40-140	3.38	20		‡
2-Methylnaphthalene (SIM)	35.2	25	µg/L	50.0		70.3	40-140	2.18	20		
Naphthalene (SIM)	35.6	25	µg/L	50.0		71.2	40-140	1.27	20		
Phenanthrene (SIM)	38.3	1.2	µg/L	50.0		76.6	40-140	2.58	20	B	
Pyrene (SIM)	39.6	25	µg/L	50.0		79.2	40-140	4.92	20		
Surrogate: Nitrobenzene-d5	*82.5*		µg/L	100		82.5	30-130				
Surrogate: 2-Fluorobiphenyl	*90.8*		µg/L	100		90.8	30-130				
Surrogate: p-Terphenyl-d14	*68.7*		µg/L	100		68.7	30-130				
Matrix Spike (B186799-MS1)	**Source: 17I0641-05**			Prepared: 09/21/17 Analyzed: 09/24/17							
Acenaphthene (SIM)	49.3	7.5	µg/L	50.0	7.54	83.5	40-140				
Acenaphthylene (SIM)	41.2	7.5	µg/L	50.0	0.605	81.1	40-140				
Anthracene (SIM)	45.6	5.0	µg/L	50.0	2.83	85.6	40-140				
Benzo(a)anthracene (SIM)	51.8	1.2	µg/L	50.0	6.31	91.0	40-140				
Benzo(a)pyrene (SIM)	51.6	2.5	µg/L	50.0	5.02	93.2	40-140				
Benzo(b)fluoranthene (SIM)	53.2	1.2	µg/L	50.0	7.11	92.1	40-140				
Benzo(g,h,i)perylene (SIM)	49.2	12	µg/L	50.0	3.06	92.3	40-140				
Benzo(k)fluoranthene (SIM)	47.1	5.0	µg/L	50.0	2.41	89.3	40-140				
Chrysene (SIM)	52.2	5.0	µg/L	50.0	6.63	91.0	40-140				
Dibenz(a,h)anthracene (SIM)	42.3	5.0	µg/L	50.0	0.870	82.8	40-140				
Fluoranthene (SIM)	63.4	12	µg/L	50.0	15.7	95.4	40-140				
Fluorene (SIM)	45.0	25	µg/L	50.0	3.41	83.3	40-140				
Indeno(1,2,3-cd)pyrene (SIM)	48.6	5.0	µg/L	50.0	3.23	90.6	40-140				
2-Methylnaphthalene (SIM)	39.8	25	µg/L	50.0	0.697	78.1	40-140				
Naphthalene (SIM)	42.2	25	µg/L	50.0	3.40	77.5	40-140				
Phenanthrene (SIM)	59.4	1.2	µg/L	50.0	15.4	87.9	40-140			B	
Pyrene (SIM)	60.4	25	µg/L	50.0	12.7	95.5	40-140				
Surrogate: Nitrobenzene-d5	*87.0*		µg/L	100		87.0	30-130				
Surrogate: 2-Fluorobiphenyl	*90.2*		µg/L	100		90.2	30-130				
Surrogate: p-Terphenyl-d14	*77.2*		µg/L	100		77.2	30-130				

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186874 - SW-846 3510C										
Blank (B186874-BLK1)				Prepared: 09/22/17 Analyzed: 09/28/17						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.58*		µg/L	2.00		79.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.52*		µg/L	2.00		75.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.71*		µg/L	2.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.71*		µg/L	2.00		85.3	30-150			
LCS (B186874-BS1)				Prepared: 09/22/17 Analyzed: 09/28/17						
Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140			
Aroclor-1016 [2C]	0.62	0.20	µg/L	0.500		123	40-140			
Aroclor-1260	0.45	0.20	µg/L	0.500		90.9	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		87.9	40-140			
Surrogate: Decachlorobiphenyl	*1.39*		µg/L	2.00		69.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.34*		µg/L	2.00		67.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/L	2.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.75*		µg/L	2.00		87.4	30-150			
LCS Dup (B186874-BSD1)				Prepared: 09/22/17 Analyzed: 09/28/17						
Aroclor-1016	0.49	0.20	µg/L	0.500		98.4	40-140	8.44	20	
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		107	40-140	14.1	20	
Aroclor-1260	0.47	0.20	µg/L	0.500		93.6	40-140	3.03	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		92.1	40-140	4.68	20	
Surrogate: Decachlorobiphenyl	*1.60*		µg/L	2.00		79.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.50*		µg/L	2.00		75.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.72*		µg/L	2.00		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.70*		µg/L	2.00		85.2	30-150			

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186874 - SW-846 3510C											
Matrix Spike (B186874-MS1)		**Source: 17I0641-01**		Prepared: 09/22/17 Analyzed: 09/28/17							
Aroclor-1016	0.51	0.20	µg/L	0.500	ND	101		40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500	ND	95.2		40-140			
Aroclor-1260	8.4	0.20	µg/L	0.500	11	**-613**	*	40-140			MS-19
Aroclor-1260 [2C]	6.8	0.20	µg/L	0.500	9.7	**-592**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*1.06*		µg/L	2.00		53.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.962*		µg/L	2.00		48.1		30-150			
Surrogate: Tetrachloro-m-xylene	*1.67*		µg/L	2.00		83.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.54*		µg/L	2.00		77.0		30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-13-1R

Lab Sample ID: 17I0641-01

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	38	
	1	0.000	0.000	0.000	11	
	2	0.000	0.000	0.000	9.7	21.2
	2	0.000	-0.030	0.030	42	10.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-14-2R

Lab Sample ID: 17I0641-02

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.8	
	1	0.000	0.000	0.000	0.79	
	2	0.000	-0.030	0.030	1.7	5.7
	2	0.000	0.000	0.000	0.72	10.5

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-14-3R

Lab Sample ID: 17I0641-03

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	8.1	
	1	0.000	0.000	0.000	1.7	
	2	0.000	-0.030	0.030	8.3	2.4
	2	0.000	0.000	0.000	1.6	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-15-1R

Lab Sample ID: 17I0641-04

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.72	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-1R

Lab Sample ID: 17I0641-06

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.7	
	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.3	7.4
	2	0.000	-0.030	0.030	2.9	7.1

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-2R

Lab Sample ID: 17I0641-07

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	3.9	
	1	0.000	0.000	0.000	1.4	
	2	0.000	-0.030	0.030	4.1	5.0
	2	0.000	0.000	0.000	1.3	7.4

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-3R

Lab Sample ID: 17I0641-08

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.4	
	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	1.9	10.0
	2	0.000	-0.030	0.030	5.7	5.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-3R

Lab Sample ID: 17I0641-08RE1

Date(s) Analyzed: 10/02/2017 10/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.3	
	2	0.000	-0.030	0.030	5.0	5.8

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-4-1R

Lab Sample ID: 17I0641-09

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.8	
	2	0.000	-0.030	0.030	5.8	0.0

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-7-2R

Lab Sample ID: 17I0641-10

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.6	0.0

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-9-1R

Lab Sample ID: 17I0641-11

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.68	
	1	0.000	-0.030	0.030	11	
	2	0.000	0.000	0.000	0.58	15.9
	2	0.000	-0.030	0.030	11	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-10-1R

Lab Sample ID: 17I0641-12

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.23	
	1	0.000	-0.030	0.030	0.88	
	2	0.000	-0.030	0.030	0.83	5.9
	2	0.000	0.000	0.000	0.21	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-16-2R

Lab Sample ID: 17I0641-13

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	33	
	1	0.000	0.000	0.000	2.0	
	2	0.000	-0.030	0.030	34	3.0
	2	0.000	0.000	0.000	1.7	16.2

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-21-1R

Lab Sample ID: 17I0641-14

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	1	0.000	-0.030	0.030	8.2	
	2	0.000	-0.030	0.030	8.3	0.0
	2	0.000	0.000	0.000	0.71	2.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-23-4R

Lab Sample ID: 17I0641-15

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.82	
	1	0.000	-0.030	0.030	5.2	
	2	0.000	0.000	0.000	0.73	11.6
	2	0.000	-0.030	0.030	5.3	1.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-27-1R

Lab Sample ID: 17I0641-16

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	4.2	
	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	14	0.0
	2	0.000	0.000	0.000	3.5	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-31-1R

Lab Sample ID: 17I0641-17

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	15	
	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.60	15.4
	2	0.000	-0.030	0.030	15	0.0

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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.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
E	Reported result is estimated. Value reported over verified calibration range.
H-06	Sample was extracted past the recommended holding time.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-10	Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits. Data from analysis performed outside of holding time is also reported since surrogate recovery is acceptable.

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0641

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con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Jim J ~~Chris Berthiaume~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs	SPLP PCBs	PAHs	SPLP PAHs									# of Containers
								I		I										[2] Preservation Code
								A		A										[3] Container Code
1	WS-AOC-07-SO-13-1R	9/14/17	0825		X	S	C	X	X											
2	WS-AOC-07-SO-14-2R	9/14/17	0830					X	X											
3	WS-AOC-07-SO-14-3R	9/14/17	0832					X	X											
4	WS-AOC-07-SO-15-1R	9/14/17	0820					X	X											
5	WS-AOC-8-SO-2-1R	9/14/17	0912							X	X									
6	WS-AOC-8-SO-4-1R	9/14/17	0913					X	X											
7	WS-AOC-8-SO-4-2R	9/14/17	0914					X	X											
8	WS-AOC-8-SO-4-3R	9/14/17	0915					X	X											
9	WS-AOC-9-SO-4-1R	9/14/17	1010					X	X											
10	WS-AOC-9-SO-7-2R	9/14/17	1012					X	X											

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

~~Please hold excess volumes for possible SPLP analyses.~~

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 1515 9/14/17
Relinquished by: (signature)	Date/Time: 9/14/17 1540
Received by: (signature)	Date/Time: 9-14-17 1540
Relinquished by: (signature)	Date/Time: 9-14-17 6:30
Received by: (signature)	Date/Time: 9/14/17 1830

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Tim S. ~~Chris Berthiaume~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs	SPLP PCBs	PAHs	SPLP PAHs
11	WS-AOC-9-SO-9-1R	9/14/17	1024		X	S	U	X	X		
12	WS-AOC-9-SO-10-1R		1017					X	X		
13	WS-AOC-9-SO-16-2R		1027					X	X		
14	WS-AOC-9-SO-21-1R		1032					X	X		
15	WS-AOC-9-SO-23-4R		0952					X	X		
16	WS-AOC-9-SO-27-1R		1002					X	X		
17	WS-AOC-9-SO-31-1R		1054					X	X		
18	WS-AOC-9-SO-32-3R		1106							X	X
19	WS-AOC-9-SO-35-3R		1124							X	X
20	WS-AOC-9-SO-37-3R		1131							X	X

# of Containers	1
[2] Preservation Code	I
[3] Container Code	A

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

~~Please hold excess volumes for possible SPLP analyses.~~
Please do MS/MSD for WS-AOC-9-SO-37-3R for only ~~PCB~~ PAH

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature]	
Received by: (signature) [signature]	Date/Time: 9/14/17 1515
Relinquished by: (signature) [signature]	Date/Time: 9/14/17 1540
Received by: (signature) [signature]	Date/Time: 9-14-17 1540
Relinquished by: (signature) [signature]	Date/Time: 9-14-17 6:30
Received by: (signature) [signature]	Date/Time: 9/14/17 1830

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 9/14/17 Time 1830

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2-2
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0641

Laboratory Sample ID(s):

17I0641-01 thru 17I0641-20

Sample Date(s):

09/14/2017

List RCP Methods Used:

, , SW-846 8082A, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **10/02/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 18, 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: 17G1306

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,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1306

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-1-1	17G1306-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-1-2	17G1306-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-1-3	17G1306-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-2-1	17G1306-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-2-2	17G1306-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-2-3	17G1306-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-3-1	17G1306-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-3-2	17G1306-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-3-3	17G1306-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC9-SO-4-1	17G1306-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-4-2	17G1306-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-4-3	17G1306-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-5-1	17G1306-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-5-2	17G1306-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-5-3	17G1306-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-6-1B	17G1306-16	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC9-SO-6-1A	17G1306-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-6-2	17G1306-18	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: 8/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1306

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-6-3	17G1306-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-7-1	17G1306-20	Soil		SM 2540G	
				SW-846 8082A	

con-test® ANALYTICAL LABORATORY

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

con-test® ANALYTICAL LABORATORY

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CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH
B183455-BSD1

SW-846 8082A

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aroclor-1260
B183442-MS1, B183442-MSD1

Aroclor-1260 [2C]
B183442-MS1, B183442-MSD1

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
17G1306-16[WS-AOC9-SO-6-1B], 17G1306-17[WS-AOC9-SO-6-1A], 17G1306-20[WS-AOC9-SO-7-1]

Decachlorobiphenyl [2C]
17G1306-16[WS-AOC9-SO-6-1B], 17G1306-17[WS-AOC9-SO-6-1A], 17G1306-20[WS-AOC9-SO-7-1]

Tetrachloro-m-xylene
17G1306-16[WS-AOC9-SO-6-1B], 17G1306-17[WS-AOC9-SO-6-1A], 17G1306-20[WS-AOC9-SO-7-1]

Tetrachloro-m-xylene [2C]
17G1306-16[WS-AOC9-SO-6-1B], 17G1306-17[WS-AOC9-SO-6-1A], 17G1306-20[WS-AOC9-SO-7-1]

S-24

Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
17G1306-18[WS-AOC9-SO-6-2]

Decachlorobiphenyl [2C]
17G1306-18[WS-AOC9-SO-6-2]

SW-846 8270D

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Fluoranthene
17G1306-16[WS-AOC9-SO-6-1B]

Pyrene
17G1306-16[WS-AOC9-SO-6-1B]

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

MS-08

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Benzo(a)anthracene
B183213-MSD1

Benzo(a)pyrene
B183213-MSD1

Benzo(b)fluoranthene
B183213-MSD1

Benzo(g,h,i)perylene
B183213-MSD1

Chrysene
B183213-MSD1

Fluoranthene
B183213-MSD1

Indeno(1,2,3-cd)pyrene
B183213-MSD1

Phenanthrene
B183213-MSD1

Pyrene
B183213-MSD1

MS-11

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Fluoranthene
B183213-MS1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Fluoranthene
17G1306-16[WS-AOC9-SO-6-1B], B183213-MS1, B183213-MSD1

Pyrene
17G1306-16[WS-AOC9-SO-6-1B], B183213-MS1, B183213-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-1-1 Sampled: 7/28/2017 09:30

Sample ID: 17G1306-01

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	8/6/17	8/17/17 21:00	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL
Aroclor-1260 [2]	0.45	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:00	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.3	30-150		8/17/17 21:00
Decachlorobiphenyl [2]	83.6	30-150		8/17/17 21:00
Tetrachloro-m-xylene [1]	74.0	30-150		8/17/17 21:00
Tetrachloro-m-xylene [2]	84.0	30-150		8/17/17 21:00

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-1-1 Sampled: 7/28/2017 09:30

Sample ID: 17G1306-01

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	92.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-1-2 Sampled: 7/28/2017 09:31

Sample ID: 17G1306-02

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	8/6/17	8/17/17 21:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.0	30-150		8/17/17 21:12
Decachlorobiphenyl [2]	83.9	30-150		8/17/17 21:12
Tetrachloro-m-xylene [1]	73.4	30-150		8/17/17 21:12
Tetrachloro-m-xylene [2]	86.2	30-150		8/17/17 21:12

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-1-2 Sampled: 7/28/2017 09:31

Sample ID: 17G1306-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-1-3 Sampled: 7/28/2017 09:32

Sample ID: 17G1306-03

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	8/6/17	8/17/17 21:24	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:24	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.9	30-150		8/17/17 21:24
Decachlorobiphenyl [2]	82.4	30-150		8/17/17 21:24
Tetrachloro-m-xylene [1]	75.6	30-150		8/17/17 21:24
Tetrachloro-m-xylene [2]	87.8	30-150		8/17/17 21:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-1-3 Sampled: 7/28/2017 09:32

Sample ID: 17G1306-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-2-1 Sampled: 7/28/2017 09:44

Sample ID: 17G1306-04

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	8/6/17	8/17/17 21:37	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:37	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.7	30-150		8/17/17 21:37
Decachlorobiphenyl [2]	62.0	30-150		8/17/17 21:37
Tetrachloro-m-xylene [1]	55.7	30-150		8/17/17 21:37
Tetrachloro-m-xylene [2]	63.9	30-150		8/17/17 21:37

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-2-1 Sampled: 7/28/2017 09:44

Sample ID: 17G1306-04

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	93.6		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-2-2 Sampled: 7/28/2017 09:45

Sample ID: 17G1306-05

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	8/6/17	8/17/17 21:49	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL
Aroclor-1260 [2]	0.12	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 21:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.5	30-150		8/17/17 21:49
Decachlorobiphenyl [2]	88.8	30-150		8/17/17 21:49
Tetrachloro-m-xylene [1]	77.6	30-150		8/17/17 21:49
Tetrachloro-m-xylene [2]	91.0	30-150		8/17/17 21:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-2-2 Sampled: 7/28/2017 09:45

Sample ID: 17G1306-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-2-3 Sampled: 7/28/2017 09:46

Sample ID: 17G1306-06

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	8/6/17	8/17/17 22:01	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.1	30-150		8/17/17 22:01
Decachlorobiphenyl [2]	76.8	30-150		8/17/17 22:01
Tetrachloro-m-xylene [1]	73.2	30-150		8/17/17 22:01
Tetrachloro-m-xylene [2]	85.5	30-150		8/17/17 22:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-2-3 Sampled: 7/28/2017 09:46

Sample ID: 17G1306-06

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	81.1		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-1 Sampled: 7/28/2017 10:05

Sample ID: 17G1306-07

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	8/6/17	8/17/17 22:13	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL
Aroclor-1260 [1]	1.0	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 22:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.1	30-150		8/17/17 22:13
Decachlorobiphenyl [2]	73.5	30-150		8/17/17 22:13
Tetrachloro-m-xylene [1]	68.0	30-150		8/17/17 22:13
Tetrachloro-m-xylene [2]	79.7	30-150		8/17/17 22:13

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-1 Sampled: 7/28/2017 10:05

Sample ID: 17G1306-07

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	90.6		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-2 Sampled: 7/28/2017 10:06

Sample ID: 17G1306-08

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	8/6/17	8/17/17 23:02	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.8	30-150		8/17/17 23:02
Decachlorobiphenyl [2]	85.5	30-150		8/17/17 23:02
Tetrachloro-m-xylene [1]	77.2	30-150		8/17/17 23:02
Tetrachloro-m-xylene [2]	87.3	30-150		8/17/17 23:02

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-2 Sampled: 7/28/2017 10:06

Sample ID: 17G1306-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-3 Sampled: 7/28/2017 10:07

Sample ID: 17G1306-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/3/17	8/8/17 0:32	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	79.9	30-130		8/8/17 0:32
2-Fluorobiphenyl	76.8	30-130		8/8/17 0:32
p-Terphenyl-d14	109	30-130		8/8/17 0:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-3 Sampled: 7/28/2017 10:07

Sample ID: 17G1306-09

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	8/6/17	8/17/17 23:14	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.2	30-150		8/17/17 23:14
Decachlorobiphenyl [2]	80.6	30-150		8/17/17 23:14
Tetrachloro-m-xylene [1]	74.9	30-150		8/17/17 23:14
Tetrachloro-m-xylene [2]	89.2	30-150		8/17/17 23:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-3 Sampled: 7/28/2017 10:07

Sample ID: 17G1306-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 20:33	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	80.4	50-150		8/8/17 20:33

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-3-3 Sampled: 7/28/2017 10:07

Sample ID: 17G1306-09

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	86.8		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-4-1 Sampled: 7/28/2017 10:10

Sample ID: 17G1306-10

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	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1254 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1260 [1]	2.2	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/17	8/18/17 9:59	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		8/18/17 9:59
Decachlorobiphenyl [2]	86.3	30-150		8/18/17 9:59
Tetrachloro-m-xylene [1]	61.5	30-150		8/18/17 9:59
Tetrachloro-m-xylene [2]	94.0	30-150		8/18/17 9:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-4-1 Sampled: 7/28/2017 10:10

Sample ID: 17G1306-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-4-2 Sampled: 7/28/2017 10:11

Sample ID: 17G1306-11

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	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1260 [1]	1.2	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.6	30-150		8/17/17 23:38
Decachlorobiphenyl [2]	107	30-150		8/17/17 23:38
Tetrachloro-m-xylene [1]	75.2	30-150		8/17/17 23:38
Tetrachloro-m-xylene [2]	86.0	30-150		8/17/17 23:38

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-4-2 Sampled: 7/28/2017 10:11

Sample ID: 17G1306-11

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	79.7		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-4-3 Sampled: 7/28/2017 10:12

Sample ID: 17G1306-12

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	8/6/17	8/17/17 23:51	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/6/17	8/17/17 23:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.7	30-150		8/17/17 23:51
Decachlorobiphenyl [2]	73.9	30-150		8/17/17 23:51
Tetrachloro-m-xylene [1]	69.1	30-150		8/17/17 23:51
Tetrachloro-m-xylene [2]	80.9	30-150		8/17/17 23:51

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-4-3 Sampled: 7/28/2017 10:12

Sample ID: 17G1306-12

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	81.7		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-5-1 Sampled: 7/28/2017 10:20

Sample ID: 17G1306-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1260 [2]	0.64	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:03	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.3	30-150		8/18/17 0:03
Decachlorobiphenyl [2]	80.6	30-150		8/18/17 0:03
Tetrachloro-m-xylene [1]	76.5	30-150		8/18/17 0:03
Tetrachloro-m-xylene [2]	88.3	30-150		8/18/17 0:03

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-5-1 Sampled: 7/28/2017 10:20

Sample ID: 17G1306-13

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	91.3		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-5-2 Sampled: 7/28/2017 10:21

Sample ID: 17G1306-14

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	8/6/17	8/18/17 0:15	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL
Aroclor-1260 [2]	0.21	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.8	30-150		8/18/17 0:15
Decachlorobiphenyl [2]	86.0	30-150		8/18/17 0:15
Tetrachloro-m-xylene [1]	78.8	30-150		8/18/17 0:15
Tetrachloro-m-xylene [2]	90.9	30-150		8/18/17 0:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-5-2 Sampled: 7/28/2017 10:21

Sample ID: 17G1306-14

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	93.0		% 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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-5-3 Sampled: 7/28/2017 10:22

Sample ID: 17G1306-15

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	8/6/17	8/18/17 0:27	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL
Aroclor-1260 [2]	0.13	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 0:27	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		8/18/17 0:27
Decachlorobiphenyl [2]	84.2	30-150		8/18/17 0:27
Tetrachloro-m-xylene [1]	77.8	30-150		8/18/17 0:27
Tetrachloro-m-xylene [2]	89.0	30-150		8/18/17 0:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-5-3 Sampled: 7/28/2017 10:22

Sample ID: 17G1306-15

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	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: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-1B Sampled: 7/28/2017 10:36

Sample ID: 17G1306-16

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	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Acenaphthene	ND	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Acenaphthylene	0.48	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Acenaphthylene	ND	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Anthracene	0.32	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Anthracene	ND	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Benzo(a)anthracene	2.7	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Benzo(a)anthracene	2.7	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Benzo(a)pyrene	2.5	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Benzo(a)pyrene	2.3	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Benzo(b)fluoranthene	2.9	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Benzo(b)fluoranthene	2.7	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Benzo(g,h,i)perylene	2.0	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Benzo(g,h,i)perylene	2.0	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Benzo(k)fluoranthene	1.1	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Benzo(k)fluoranthene	1.1	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Chrysene	3.7	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Chrysene	3.3	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Dibenz(a,h)anthracene	0.21	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Dibenz(a,h)anthracene	ND	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Fluoranthene	5.9	0.18	mg/Kg dry	1	E, R-06	SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Fluoranthene	5.3	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Fluorene	0.21	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Fluorene	ND	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Indeno(1,2,3-cd)pyrene	1.7	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Indeno(1,2,3-cd)pyrene	1.7	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
2-Methylnaphthalene	ND	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Naphthalene	ND	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Phenanthrene	4.1	0.18	mg/Kg dry	1		SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Phenanthrene	3.8	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL
Pyrene	10	0.18	mg/Kg dry	1	E, R-06	SW-846 8270D	8/3/17	8/9/17 0:19	BGL
Pyrene	7.9	0.74	mg/Kg dry	4		SW-846 8270D	8/3/17	8/9/17 17:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	78.3	30-130		8/9/17 0:19
Nitrobenzene-d5	79.1	30-130		8/9/17 17:24
2-Fluorobiphenyl	78.3	30-130		8/9/17 0:19
2-Fluorobiphenyl	77.1	30-130		8/9/17 17:24
p-Terphenyl-d14	112	30-130		8/9/17 0:19
p-Terphenyl-d14	98.5	30-130		8/9/17 17:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-1B Sampled: 7/28/2017 10:36

Sample ID: 17G1306-16

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	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1221 [1]	ND	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1232 [1]	ND	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1242 [1]	ND	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1248 [1]	ND	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1254 [1]	ND	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1260 [1]	320	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1262 [1]	ND	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL
Aroclor-1268 [1]	ND	43	mg/Kg dry	2000		SW-846 8082A	8/6/17	8/18/17 12:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/18/17 12:31
Decachlorobiphenyl [2]	*	30-150	S-01	8/18/17 12:31
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/18/17 12:31
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/18/17 12:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-1B Sampled: 7/28/2017 10:36

Sample ID: 17G1306-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	54	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 19:03	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	67.3	50-150		8/8/17 19:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-1B Sampled: 7/28/2017 10:36

Sample ID: 17G1306-16

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	92.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-1A Sampled: 7/28/2017 10:35

Sample ID: 17G1306-17

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	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1221 [1]	ND	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1232 [1]	ND	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1242 [1]	ND	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1248 [1]	ND	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1254 [1]	ND	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1260 [1]	60	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1262 [1]	ND	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL
Aroclor-1268 [1]	ND	5.4	mg/Kg dry	250		SW-846 8082A	8/6/17	8/18/17 10:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/18/17 10:23
Decachlorobiphenyl [2]	*	30-150	S-01	8/18/17 10:23
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/18/17 10:23
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/18/17 10:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-1A Sampled: 7/28/2017 10:35

Sample ID: 17G1306-17

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	93.2		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-2 Sampled: 7/28/2017 10:37

Sample ID: 17G1306-18

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	8/6/17	8/18/17 10:35	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL
Aroclor-1260 [2]	0.34	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL
Aroclor-1268 [2]	0.14	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 10:35	KAL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**350**	*	30-150	S-24	8/18/17 10:35
Decachlorobiphenyl [2]	**401**	*	30-150	S-24	8/18/17 10:35
Tetrachloro-m-xylene [1]	82.4		30-150		8/18/17 10:35
Tetrachloro-m-xylene [2]	91.2		30-150		8/18/17 10:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-2 Sampled: 7/28/2017 10:37

Sample ID: 17G1306-18

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	90.6		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-3 Sampled: 7/28/2017 10:38

Sample ID: 17G1306-19

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	8/6/17	8/18/17 1:16	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL
Aroclor-1260 [2]	0.23	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/6/17	8/18/17 1:16	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.5	30-150		8/18/17 1:16
Decachlorobiphenyl [2]	81.0	30-150		8/18/17 1:16
Tetrachloro-m-xylene [1]	77.6	30-150		8/18/17 1:16
Tetrachloro-m-xylene [2]	87.4	30-150		8/18/17 1:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-6-3 Sampled: 7/28/2017 10:38

Sample ID: 17G1306-19

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	87.0		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-7-1 Sampled: 7/28/2017 10:50

Sample ID: 17G1306-20

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	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1254 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1260 [1]	13	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/6/17	8/18/17 10:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/18/17 10:48
Decachlorobiphenyl [2]	*	30-150	S-01	8/18/17 10:48
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/18/17 10:48
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/18/17 10:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1306

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-7-1 Sampled: 7/28/2017 10:50

Sample ID: 17G1306-20

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	94.2		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1306-09 [WS-AOC9-SO-3-3]	B183455	30.0	1.00	08/07/17
17G1306-16 [WS-AOC9-SO-6-1B]	B183455	30.0	1.00	08/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1306-01 [WS-AOC9-SO-1-1]	B183315	08/04/17
17G1306-02 [WS-AOC9-SO-1-2]	B183315	08/04/17
17G1306-03 [WS-AOC9-SO-1-3]	B183315	08/04/17
17G1306-04 [WS-AOC9-SO-2-1]	B183315	08/04/17
17G1306-05 [WS-AOC9-SO-2-2]	B183315	08/04/17
17G1306-06 [WS-AOC9-SO-2-3]	B183315	08/04/17
17G1306-07 [WS-AOC9-SO-3-1]	B183315	08/04/17
17G1306-08 [WS-AOC9-SO-3-2]	B183315	08/04/17
17G1306-09 [WS-AOC9-SO-3-3]	B183315	08/04/17
17G1306-10 [WS-AOC9-SO-4-1]	B183315	08/04/17
17G1306-11 [WS-AOC9-SO-4-2]	B183315	08/04/17
17G1306-12 [WS-AOC9-SO-4-3]	B183315	08/04/17
17G1306-13 [WS-AOC9-SO-5-1]	B183315	08/04/17
17G1306-14 [WS-AOC9-SO-5-2]	B183315	08/04/17
17G1306-15 [WS-AOC9-SO-5-3]	B183315	08/04/17
17G1306-16 [WS-AOC9-SO-6-1B]	B183315	08/04/17
17G1306-17 [WS-AOC9-SO-6-1A]	B183315	08/04/17
17G1306-18 [WS-AOC9-SO-6-2]	B183315	08/04/17
17G1306-19 [WS-AOC9-SO-6-3]	B183315	08/04/17
17G1306-20 [WS-AOC9-SO-7-1]	B183315	08/04/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1306-01 [WS-AOC9-SO-1-1]	B183442	10.4	10.0	08/06/17
17G1306-02 [WS-AOC9-SO-1-2]	B183442	10.2	10.0	08/06/17
17G1306-03 [WS-AOC9-SO-1-3]	B183442	10.3	10.0	08/06/17
17G1306-04 [WS-AOC9-SO-2-1]	B183442	10.1	10.0	08/06/17
17G1306-05 [WS-AOC9-SO-2-2]	B183442	10.5	10.0	08/06/17
17G1306-06 [WS-AOC9-SO-2-3]	B183442	10.1	10.0	08/06/17
17G1306-07 [WS-AOC9-SO-3-1]	B183442	10.0	10.0	08/06/17
17G1306-08 [WS-AOC9-SO-3-2]	B183442	10.1	10.0	08/06/17
17G1306-09 [WS-AOC9-SO-3-3]	B183442	10.3	10.0	08/06/17
17G1306-10 [WS-AOC9-SO-4-1]	B183442	10.3	10.0	08/06/17
17G1306-11 [WS-AOC9-SO-4-2]	B183442	10.3	10.0	08/06/17
17G1306-12 [WS-AOC9-SO-4-3]	B183442	10.0	10.0	08/06/17
17G1306-13 [WS-AOC9-SO-5-1]	B183442	10.1	10.0	08/06/17
17G1306-14 [WS-AOC9-SO-5-2]	B183442	10.4	10.0	08/06/17
17G1306-15 [WS-AOC9-SO-5-3]	B183442	10.1	10.0	08/06/17
17G1306-16 [WS-AOC9-SO-6-1B]	B183442	10.0	10.0	08/06/17
17G1306-17 [WS-AOC9-SO-6-1A]	B183442	10.0	10.0	08/06/17
17G1306-18 [WS-AOC9-SO-6-2]	B183442	10.1	10.0	08/06/17
17G1306-19 [WS-AOC9-SO-6-3]	B183442	10.2	10.0	08/06/17
17G1306-20 [WS-AOC9-SO-7-1]	B183442	10.0	10.0	08/06/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1306-09 [WS-AOC9-SO-3-3]	B183213	30.0	1.00	08/03/17
17G1306-16 [WS-AOC9-SO-6-1B]	B183213	30.0	1.00	08/03/17
17G1306-16RE1 [WS-AOC9-SO-6-1B]	B183213	30.0	1.00	08/03/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183213 - SW-846 3546										
Blank (B183213-BLK1)				Prepared: 08/03/17 Analyzed: 08/07/17						
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	*2.71*		mg/Kg wet	3.33		81.3	30-130			
Surrogate: 2-Fluorobiphenyl	*2.87*		mg/Kg wet	3.33		86.1	30-130			
Surrogate: p-Terphenyl-d14	*3.40*		mg/Kg wet	3.33		102	30-130			
LCS (B183213-BS1)				Prepared: 08/03/17 Analyzed: 08/07/17						
Acenaphthene	1.14	0.17	mg/Kg wet	1.67		68.1	40-140			
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.7	40-140			
Anthracene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140			
Benzo(a)anthracene	1.31	0.17	mg/Kg wet	1.67		78.8	40-140			
Benzo(a)pyrene	1.31	0.17	mg/Kg wet	1.67		78.6	40-140			
Benzo(b)fluoranthene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			
Benzo(g,h,i)perylene	1.30	0.17	mg/Kg wet	1.67		78.1	40-140			
Benzo(k)fluoranthene	1.22	0.17	mg/Kg wet	1.67		73.4	40-140			
Chrysene	1.28	0.17	mg/Kg wet	1.67		76.9	40-140			
Dibenz(a,h)anthracene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140			
Fluoranthene	1.23	0.17	mg/Kg wet	1.67		74.0	40-140			
Fluorene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			
Indeno(1,2,3-cd)pyrene	1.30	0.17	mg/Kg wet	1.67		78.1	40-140			
2-Methylnaphthalene	1.15	0.17	mg/Kg wet	1.67		69.3	40-140			
Naphthalene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140			
Phenanthrene	1.25	0.17	mg/Kg wet	1.67		74.8	40-140			
Pyrene	1.31	0.17	mg/Kg wet	1.67		78.4	40-140			
Surrogate: Nitrobenzene-d5	*2.85*		mg/Kg wet	3.33		85.5	30-130			
Surrogate: 2-Fluorobiphenyl	*2.86*		mg/Kg wet	3.33		85.7	30-130			
Surrogate: p-Terphenyl-d14	*3.35*		mg/Kg wet	3.33		101	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 B183213 - SW-846 3546											
LCS Dup (B183213-BSD1)				Prepared: 08/03/17 Analyzed: 08/07/17							
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.4		40-140	5.55	30	
Acenaphthylene	1.07	0.17	mg/Kg wet	1.67		64.3		40-140	6.59	30	
Anthracene	1.10	0.17	mg/Kg wet	1.67		66.0		40-140	11.9	30	
Benzo(a)anthracene	1.16	0.17	mg/Kg wet	1.67		69.6		40-140	12.4	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.4		40-140	12.4	30	
Benzo(b)fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.9		40-140	11.6	30	
Benzo(g,h,i)perylene	1.13	0.17	mg/Kg wet	1.67		67.5		40-140	14.5	30	
Benzo(k)fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.1		40-140	10.5	30	
Chrysene	1.14	0.17	mg/Kg wet	1.67		68.6		40-140	11.3	30	
Dibenz(a,h)anthracene	1.12	0.17	mg/Kg wet	1.67		67.3		40-140	13.5	30	
Fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.0		40-140	9.99	30	
Fluorene	1.09	0.17	mg/Kg wet	1.67		65.4		40-140	10.8	30	
Indeno(1,2,3-cd)pyrene	1.13	0.17	mg/Kg wet	1.67		67.8		40-140	14.2	30	
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		66.1		40-140	4.76	30	
Naphthalene	1.05	0.17	mg/Kg wet	1.67		62.7		40-140	7.04	30	
Phenanthrene	1.11	0.17	mg/Kg wet	1.67		66.4		40-140	11.9	30	
Pyrene	1.14	0.17	mg/Kg wet	1.67		68.6		40-140	13.3	30	
Surrogate: Nitrobenzene-d5	*2.60*		mg/Kg wet	3.33		78.0		30-130			
Surrogate: 2-Fluorobiphenyl	*2.72*		mg/Kg wet	3.33		81.6		30-130			
Surrogate: p-Terphenyl-d14	*2.92*		mg/Kg wet	3.33		87.5		30-130			
Matrix Spike (B183213-MS1)	**Source: 17G1306-16**			Prepared: 08/03/17 Analyzed: 08/09/17							
Acenaphthene	1.15	0.18	mg/Kg dry	1.81	0.0834	59.1		40-140			
Acenaphthylene	1.54	0.18	mg/Kg dry	1.81	0.475	58.9		40-140			
Anthracene	1.45	0.18	mg/Kg dry	1.81	0.322	62.6		40-140			
Benzo(a)anthracene	4.17	0.18	mg/Kg dry	1.81	2.73	80.1		40-140			
Benzo(a)pyrene	4.10	0.18	mg/Kg dry	1.81	2.48	89.5		40-140			
Benzo(b)fluoranthene	4.55	0.18	mg/Kg dry	1.81	2.87	92.6		40-140			
Benzo(g,h,i)perylene	2.84	0.18	mg/Kg dry	1.81	1.98	48.1		40-140			
Benzo(k)fluoranthene	2.48	0.18	mg/Kg dry	1.81	1.07	78.2		40-140			
Chrysene	5.29	0.18	mg/Kg dry	1.81	3.67	89.5		40-140			
Dibenz(a,h)anthracene	1.47	0.18	mg/Kg dry	1.81	0.213	69.3		40-140			
Fluoranthene	8.67	0.18	mg/Kg dry	1.81	5.89	**154**	*	40-140			MS-11, R-06
Fluorene	1.33	0.18	mg/Kg dry	1.81	0.207	62.5		40-140			
Indeno(1,2,3-cd)pyrene	2.93	0.18	mg/Kg dry	1.81	1.66	70.1		40-140			
2-Methylnaphthalene	1.17	0.18	mg/Kg dry	1.81	0.0928	59.7		40-140			
Naphthalene	1.12	0.18	mg/Kg dry	1.81	ND	62.2		40-140			
Phenanthrene	6.02	0.18	mg/Kg dry	1.81	4.11	106		40-140			
Pyrene	12.3	0.18	mg/Kg dry	1.81	10.1	122		40-140			R-06
Surrogate: Nitrobenzene-d5	*2.51*		mg/Kg dry	3.61		69.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.66*		mg/Kg dry	3.61		73.7		30-130			
Surrogate: p-Terphenyl-d14	*3.49*		mg/Kg dry	3.61		96.7		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 B183213 - SW-846 3546												
Matrix Spike Dup (B183213-MSD1)		**Source: 17G1306-16**		Prepared: 08/03/17 Analyzed: 08/09/17								
Acenaphthene	0.951	0.18	mg/Kg dry	1.81	0.0834	48.1		40-140	18.9		30	
Acenaphthylene	1.33	0.18	mg/Kg dry	1.81	0.475	47.5		40-140	14.3		30	
Anthracene	1.18	0.18	mg/Kg dry	1.81	0.322	47.5		40-140	20.7		30	
Benzo(a)anthracene	3.25	0.18	mg/Kg dry	1.81	2.73	**29.2**	*	40-140	24.8		30	MS-08
Benzo(a)pyrene	3.08	0.18	mg/Kg dry	1.81	2.48	**33.1**	*	40-140	28.4		30	MS-08
Benzo(b)fluoranthene	3.48	0.18	mg/Kg dry	1.81	2.87	**33.4**	*	40-140	26.6		30	MS-08
Benzo(g,h,i)perylene	2.23	0.18	mg/Kg dry	1.81	1.98	**14.0**	*	40-140	24.3		30	MS-08
Benzo(k)fluoranthene	1.95	0.18	mg/Kg dry	1.81	1.07	48.8		40-140	24.0		30	
Chrysene	4.04	0.18	mg/Kg dry	1.81	3.67	**20.2**	*	40-140	26.8		30	MS-08
Dibenz(a,h)anthracene	1.15	0.18	mg/Kg dry	1.81	0.213	51.8		40-140	24.2		30	
Fluoranthene	5.57	0.18	mg/Kg dry	1.81	5.89	**-18.0**	*	40-140	**43.6**	*	30	MS-08, R-06
Fluorene	1.09	0.18	mg/Kg dry	1.81	0.207	49.0		40-140	20.1		30	
Indeno(1,2,3-cd)pyrene	2.24	0.18	mg/Kg dry	1.81	1.66	**32.1**	*	40-140	26.5		30	MS-08
2-Methylnaphthalene	1.01	0.18	mg/Kg dry	1.81	0.0928	50.7		40-140	14.9		30	
Naphthalene	1.03	0.18	mg/Kg dry	1.81	ND	56.9		40-140	8.93		30	
Phenanthrene	4.53	0.18	mg/Kg dry	1.81	4.11	**23.3**	*	40-140	28.3		30	MS-08
Pyrene	8.12	0.18	mg/Kg dry	1.81	10.1	**-112**	*	40-140	**41.3**	*	30	MS-08, R-06
Surrogate: Nitrobenzene-d5	*2.51*		mg/Kg dry	3.61		69.4		30-130				
Surrogate: 2-Fluorobiphenyl	*2.24*		mg/Kg dry	3.61		62.1		30-130				
Surrogate: p-Terphenyl-d14	*2.67*		mg/Kg dry	3.61		73.8		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
Batch B183442 - SW-846 3540C										
Blank (B183442-BLK1)				Prepared: 08/06/17 Analyzed: 08/17/17						
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	*0.181*		mg/Kg wet	0.198		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.198		88.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.155*		mg/Kg wet	0.198		78.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.170*		mg/Kg wet	0.198		86.0	30-150			
LCS (B183442-BS1)				Prepared: 08/06/17 Analyzed: 08/17/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.1	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.7	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.7	40-140			
Surrogate: Decachlorobiphenyl	*0.187*		mg/Kg wet	0.200		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.178*		mg/Kg wet	0.200		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.163*		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.4	30-150			
LCS Dup (B183442-BSD1)				Prepared: 08/06/17 Analyzed: 08/17/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.198		82.4	40-140	3.65	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.198		92.5	40-140	2.65	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.198		83.6	40-140	3.46	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.198		81.2	40-140	1.60	30	
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.198		91.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.173*		mg/Kg wet	0.198		87.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.157*		mg/Kg wet	0.198		79.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.172*		mg/Kg wet	0.198		86.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183442 - SW-846 3540C											
Matrix Spike (B183442-MS1)		**Source: 17G1306-20**		Prepared: 08/06/17 Analyzed: 08/18/17							
Aroclor-1016	0.17	0.11	mg/Kg dry	0.212	ND	79.4		40-140			
Aroclor-1016 [2C]	0.24	0.11	mg/Kg dry	0.212	ND	114		40-140			
Aroclor-1260	6.3	0.11	mg/Kg dry	0.212	13	**-3120**	*	40-140			MS-19
Aroclor-1260 [2C]	6.3	0.11	mg/Kg dry	0.212	12	**-2820**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.139*		mg/Kg dry	0.212		65.5		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.139*		mg/Kg dry	0.212		65.6		30-150			
Surrogate: Tetrachloro-m-xylene	*0.132*		mg/Kg dry	0.212		62.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.152*		mg/Kg dry	0.212		71.4		30-150			
Matrix Spike Dup (B183442-MSD1)		**Source: 17G1306-20**		Prepared: 08/06/17 Analyzed: 08/18/17							
Aroclor-1016	0.17	0.11	mg/Kg dry	0.212	ND	81.2		40-140		50	
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.212	ND	119		40-140		50	
Aroclor-1260	6.3	0.11	mg/Kg dry	0.212	13	**-3150**	*	40-140	0.834	50	MS-19
Aroclor-1260 [2C]	6.2	0.11	mg/Kg dry	0.212	12	**-2840**	*	40-140	0.953	50	MS-19
Surrogate: Decachlorobiphenyl	*0.141*		mg/Kg dry	0.212		66.6		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.142*		mg/Kg dry	0.212		66.8		30-150			
Surrogate: Tetrachloro-m-xylene	*0.137*		mg/Kg dry	0.212		64.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.158*		mg/Kg dry	0.212		74.5		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
Batch B183315 - % Solids										
Duplicate (B183315-DUP1)		**Source: 17G1306-10**		Prepared: 08/04/17 Analyzed: 08/05/17						
% Solids	92.7		% Wt		93.1			0.431	20	
Duplicate (B183315-DUP2)		**Source: 17G1306-20**		Prepared: 08/04/17 Analyzed: 08/05/17						
% Solids	94.2		% Wt		94.2			0.00	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-1-1

Lab Sample ID: 17G1306-01

Date(s) Analyzed: 08/17/2017 08/17/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.45	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-2-2

Lab Sample ID: 17G1306-05

Date(s) Analyzed: 08/17/2017 08/17/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.12	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-3-1

Lab Sample ID: 17G1306-07

Date(s) Analyzed: 08/17/2017 08/17/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.0	
	2	0.000	-0.030	0.030	1.0	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-4-1

Lab Sample ID: 17G1306-10

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.2	
	2	0.000	-0.030	0.030	2.2	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-4-2

Lab Sample ID: 17G1306-11

Date(s) Analyzed: 08/17/2017 08/17/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.2	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-5-1

Lab Sample ID: 17G1306-13

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.64	
	2	0.000	-0.030	0.030	0.64	0.0

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-5-2

Lab Sample ID: 17G1306-14

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-5-3

Lab Sample ID: 17G1306-15

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.13	8.0

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-6-1B

Lab Sample ID: 17G1306-16

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	320	
	2	0.000	-0.030	0.030	310	6.3

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-6-1A

Lab Sample ID: 17G1306-17

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	60	
	2	0.000	-0.030	0.030	57	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-6-2

Lab Sample ID: 17G1306-18

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.33	
	2	0.000	-0.030	0.030	0.34	3.0
Aroclor-1268	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.14	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-6-3

Lab Sample ID: 17G1306-19

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.23	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-7-1

Lab Sample ID: 17G1306-20

Date(s) Analyzed: 08/18/2017 08/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	12	8.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-08	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-11	Matrix spike 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.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-24	Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
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Email: info@contestlabs.com

17G1306

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAH	ETPH	SVOCs	RCRA 15 Metals	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
01	WS-AOC9-SO-1-1	7/28/17	9:30		X	S	U	X								
02	WS-AOC9-SO-1-2	↓	9:31		↓	↓	↓	X								
03	WS-AOC9-SO-1-3		9:32					X								
04	WS-AOC9-SO-2-1		9:44					X								
05	WS-AOC9-SO-2-2		9:45					X								
06	WS-AOC9-SO-2-3		9:46					X								
07	WS-AOC9-SO-3-1		10:05					X								
08	WS-AOC9-SO-3-2		10:06					X								
09	WS-AOC9-SO-3-3		10:07					X	X	X						
10	WS-AOC9-SO-4-1	↓	10:10		↓	↓	↓	X								

Dissolved Metals Samples:
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples:
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature] 7/28/17	1530
Received by: (signature) [signature]	Date/Time: 7/28/17 1539
Relinquished by: (signature) [signature]	Date/Time: 7/28/17 1645
Received by: (signature) [signature]	Date/Time: 7/28/17 1645
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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17G1306

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAH	ETPH	SVOCs	RSR 15 Metals	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC9-SO-4-2	7/28/17	10:11		X	S	U	X								
12	WS-AOC9-SO-4-3		10:12					X								
13	WS-AOC9-SO-5-1		10:20					X								
14	WS-AOC9-SO-5-2		10:21					X								
15	WS-AOC9-SO-5-3		10:22					X								
16	WS-AOC9-SO-6-1B		10:36					X	X	X						
17	WS-AOC9-SO-6-1A		10:35					X								
18	WS-AOC9-SO-6-2		10:37					X								
19	WS-AOC9-SO-6-3		10:38					X								
20	WS-AOC9-SO-7-1		10:50					X								

Dissolved Metals Samples:
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples:
○ Field Filtered
○ Lab to Filter

Comments:
WS-AOC9-SO-7-1 (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

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Relinquished by: (signature)	Date/Time:
[signature] 7/28/17	1630
Received by: (signature) Tom Mau	Date/Time: 7/28/17 1339
Relinquished by: (signature) Tom Mau	Date/Time: 7/28/17 1645
Received by: (signature) 2.3.5.8	Date/Time: 7/28/17 1645
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By RLF Date 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 pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? ___
Are there Rushes? F Who was notified? ___
Are there Short Holds? F Who was notified? ___
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? NA
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	23
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

8/9/17 8:01 AM

C:\HPCHEM\CUSTRPT\ETPHDISC.CRT

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: 17G1306

Laboratory Sample ID(s):

17G1306-01 thru 17G1306-20

Sample Date(s):

07/28/2017

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: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **08/18/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 21, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17G1307

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,

James M. Georgantas
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1307

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-7-2	17G1307-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-7-3	17G1307-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-8-1	17G1307-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-8-2	17G1307-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-8-3	17G1307-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-9-1	17G1307-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-9-2	17G1307-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-9-3	17G1307-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC9-SO-10-1	17G1307-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-10-2	17G1307-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-10-3	17G1307-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-11-1	17G1307-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-11-2	17G1307-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-11-3	17G1307-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC9-SO-12-1	17G1307-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-12-2	17G1307-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-12-3	17G1307-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-13-1	17G1307-18	Soil		SM 2540G	
				SW-846 8082A	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1307

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-13-2	17G1307-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-13-3	17G1307-20	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

SW-846 8082A

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aroclor-1260
B183510-MS1, B183510-MSD1

Aroclor-1260 [2C]
B183510-MS1, B183510-MSD1

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
17G1307-06[WS-AOC9-SO-9-1], 17G1307-07[WS-AOC9-SO-9-2], 17G1307-09[WS-AOC9-SO-10-1], 17G1307-10[WS-AOC9-SO-10-2], 17G1307-12[WS-AOC9-SO-11-1], 17G1307-18[WS-AOC9-SO-13-1], 17G1307-19[WS-AOC9-SO-13-2]

Decachlorobiphenyl [2C]
17G1307-06[WS-AOC9-SO-9-1], 17G1307-07[WS-AOC9-SO-9-2], 17G1307-09[WS-AOC9-SO-10-1], 17G1307-10[WS-AOC9-SO-10-2], 17G1307-12[WS-AOC9-SO-11-1], 17G1307-18[WS-AOC9-SO-13-1], 17G1307-19[WS-AOC9-SO-13-2]

Tetrachloro-m-xylene
17G1307-06[WS-AOC9-SO-9-1], 17G1307-07[WS-AOC9-SO-9-2], 17G1307-09[WS-AOC9-SO-10-1], 17G1307-10[WS-AOC9-SO-10-2], 17G1307-12[WS-AOC9-SO-11-1], 17G1307-18[WS-AOC9-SO-13-1], 17G1307-19[WS-AOC9-SO-13-2]

Tetrachloro-m-xylene [2C]
17G1307-06[WS-AOC9-SO-9-1], 17G1307-07[WS-AOC9-SO-9-2], 17G1307-09[WS-AOC9-SO-10-1], 17G1307-10[WS-AOC9-SO-10-2], 17G1307-12[WS-AOC9-SO-11-1], 17G1307-18[WS-AOC9-SO-13-1], 17G1307-19[WS-AOC9-SO-13-2]

SW-846 8270D

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Pyrene
17G1307-14[WS-AOC9-SO-11-3]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-7-2 Sampled: 7/28/2017 10:51

Sample ID: 17G1307-01

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	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1254 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1260 [2]	3.5	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/17	8/20/17 15:12	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		8/20/17 15:12
Decachlorobiphenyl [2]	108	30-150		8/20/17 15:12
Tetrachloro-m-xylene [1]	92.8	30-150		8/20/17 15:12
Tetrachloro-m-xylene [2]	98.5	30-150		8/20/17 15:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-7-2 Sampled: 7/28/2017 10:51

Sample ID: 17G1307-01

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	93.2		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-7-3 Sampled: 7/28/2017 10:52

Sample ID: 17G1307-02

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	8/7/17	8/19/17 4:55	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG
Aroclor-1260 [1]	1.3	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 4:55	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.3	30-150		8/19/17 4:55
Decachlorobiphenyl [2]	90.0	30-150		8/19/17 4:55
Tetrachloro-m-xylene [1]	87.3	30-150		8/19/17 4:55
Tetrachloro-m-xylene [2]	87.6	30-150		8/19/17 4:55

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-7-3 Sampled: 7/28/2017 10:52

Sample ID: 17G1307-02

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	88.1		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-8-1 Sampled: 7/28/2017 11:03

Sample ID: 17G1307-03

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	8/7/17	8/19/17 5:08	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.4	30-150		8/19/17 5:08
Decachlorobiphenyl [2]	87.1	30-150		8/19/17 5:08
Tetrachloro-m-xylene [1]	84.5	30-150		8/19/17 5:08
Tetrachloro-m-xylene [2]	84.3	30-150		8/19/17 5:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-8-1 Sampled: 7/28/2017 11:03

Sample ID: 17G1307-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-8-2 Sampled: 7/28/2017 11:04

Sample ID: 17G1307-04

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 5:20	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:20	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.8	30-150		8/19/17 5:20
Decachlorobiphenyl [2]	83.4	30-150		8/19/17 5:20
Tetrachloro-m-xylene [1]	79.2	30-150		8/19/17 5:20
Tetrachloro-m-xylene [2]	79.9	30-150		8/19/17 5:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-8-2 Sampled: 7/28/2017 11:04

Sample ID: 17G1307-04

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	90.9		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-8-3 Sampled: 7/28/2017 11:05

Sample ID: 17G1307-05

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	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 5:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.9	30-150		8/19/17 5:33
Decachlorobiphenyl [2]	88.1	30-150		8/19/17 5:33
Tetrachloro-m-xylene [1]	90.8	30-150		8/19/17 5:33
Tetrachloro-m-xylene [2]	91.3	30-150		8/19/17 5:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-8-3 Sampled: 7/28/2017 11:05

Sample ID: 17G1307-05

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	86.8		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-1 Sampled: 7/28/2017 11:15

Sample ID: 17G1307-06

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	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1254 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1260 [2]	7.7	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 11:56	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/19/17 11:56
Decachlorobiphenyl [2]	*	30-150	S-01	8/19/17 11:56
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/19/17 11:56
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/19/17 11:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-1 Sampled: 7/28/2017 11:15

Sample ID: 17G1307-06

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	95.5		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-2 Sampled: 7/28/2017 11:16

Sample ID: 17G1307-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1254 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1260 [2]	4.0	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/19/17 12:08
Decachlorobiphenyl [2]	*	30-150	S-01	8/19/17 12:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/19/17 12:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/19/17 12:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-2 Sampled: 7/28/2017 11:16

Sample ID: 17G1307-07

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	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-3 Sampled: 7/28/2017 11:17

Sample ID: 17G1307-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Acrylonitrile	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Bromomethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Carbon Disulfide	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Chloromethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,3-Dichlorobenzene	0.0034	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,4-Dichlorobenzene	0.014	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,3-Dichloropropane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
cis-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
trans-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-3 Sampled: 7/28/2017 11:17

Sample ID: 17G1307-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Tetrahydrofuran	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	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 14:27	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
Vinyl Chloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.3	70-130		8/2/17 14:27
Toluene-d8	91.6	70-130		8/2/17 14:27
4-Bromofluorobenzene	88.0	70-130		8/2/17 14:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-3 Sampled: 7/28/2017 11:17

Sample ID: 17G1307-08

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	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Benzo(a)anthracene	0.36	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Benzo(a)pyrene	0.49	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Benzo(b)fluoranthene	0.59	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Benzo(g,h,i)perylene	0.43	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Benzo(k)fluoranthene	0.21	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Chrysene	0.31	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Fluoranthene	0.70	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Indeno(1,2,3-cd)pyrene	0.36	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Phenanthrene	0.33	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL
Pyrene	0.78	0.20	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 13:39	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	85.9	30-130		8/8/17 13:39
2-Fluorobiphenyl	75.2	30-130		8/8/17 13:39
p-Terphenyl-d14	81.9	30-130		8/8/17 13:39

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-3 Sampled: 7/28/2017 11:17

Sample ID: 17G1307-08

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 6:49	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 6:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		8/19/17 6:49
Decachlorobiphenyl [2]	74.9	30-150		8/19/17 6:49
Tetrachloro-m-xylene [1]	73.3	30-150		8/19/17 6:49
Tetrachloro-m-xylene [2]	73.4	30-150		8/19/17 6:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-3 Sampled: 7/28/2017 11:17

Sample ID: 17G1307-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	63	12	mg/Kg dry	1		CTDEP ETPH	8/6/17	8/7/17 21:39	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	82.5	50-150		8/7/17 21:39

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-9-3 Sampled: 7/28/2017 11:17

Sample ID: 17G1307-08

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	86.3		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-10-1 Sampled: 7/28/2017 11:45

Sample ID: 17G1307-09

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	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1254 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1260 [2]	10	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 12:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/19/17 12:21
Decachlorobiphenyl [2]	*	30-150	S-01	8/19/17 12:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/19/17 12:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/19/17 12:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-10-1 Sampled: 7/28/2017 11:45

Sample ID: 17G1307-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-10-2 Sampled: 7/28/2017 11:46

Sample ID: 17G1307-10

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	8/7/17	8/19/17 12:34	PJG
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG
Aroclor-1254 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG
Aroclor-1260 [1]	8.3	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/19/17 12:34
Decachlorobiphenyl [2]	*	30-150	S-01	8/19/17 12:34
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/19/17 12:34
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/19/17 12:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-10-2 Sampled: 7/28/2017 11:46

Sample ID: 17G1307-10

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	94.1		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-10-3 Sampled: 7/28/2017 11:47

Sample ID: 17G1307-11

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	8/7/17	8/19/17 7:27	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:27	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.9	30-150		8/19/17 7:27
Decachlorobiphenyl [2]	82.9	30-150		8/19/17 7:27
Tetrachloro-m-xylene [1]	83.1	30-150		8/19/17 7:27
Tetrachloro-m-xylene [2]	82.9	30-150		8/19/17 7:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-10-3 Sampled: 7/28/2017 11:47

Sample ID: 17G1307-11

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	88.6		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-1 Sampled: 7/28/2017 11:55

Sample ID: 17G1307-12

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	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1254 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1260 [2]	3.9	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/7/17	8/19/17 12:47	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/19/17 12:47
Decachlorobiphenyl [2]	*	30-150	S-01	8/19/17 12:47
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/19/17 12:47
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/19/17 12:47

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-1 Sampled: 7/28/2017 11:55

Sample ID: 17G1307-12

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	91.5		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-2 Sampled: 7/28/2017 11:56

Sample ID: 17G1307-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1260 [2]	0.26	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG
Aroclor-1268 [1]	0.25	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 7:53	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.3	30-150		8/19/17 7:53
Decachlorobiphenyl [2]	75.3	30-150		8/19/17 7:53
Tetrachloro-m-xylene [1]	78.7	30-150		8/19/17 7:53
Tetrachloro-m-xylene [2]	80.7	30-150		8/19/17 7:53

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-2 Sampled: 7/28/2017 11:56

Sample ID: 17G1307-13

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	92.6		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-3 Sampled: 7/28/2017 11:57

Sample ID: 17G1307-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Acenaphthene	ND	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Acenaphthylene	ND	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Anthracene	0.53	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Anthracene	0.51	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Benzo(a)anthracene	2.1	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Benzo(a)anthracene	2.0	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Benzo(a)pyrene	2.4	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Benzo(a)pyrene	2.3	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Benzo(b)fluoranthene	2.9	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Benzo(b)fluoranthene	2.8	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Benzo(g,h,i)perylene	1.3	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Benzo(g,h,i)perylene	1.0	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Benzo(k)fluoranthene	1.1	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Benzo(k)fluoranthene	0.95	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Chrysene	1.8	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Chrysene	1.8	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Dibenz(a,h)anthracene	0.30	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Dibenz(a,h)anthracene	ND	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Fluoranthene	4.7	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Fluoranthene	4.3	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Fluorene	ND	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Indeno(1,2,3-cd)pyrene	1.2	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Indeno(1,2,3-cd)pyrene	1.1	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
2-Methylnaphthalene	ND	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Naphthalene	0.70	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Naphthalene	0.71	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Phenanthrene	1.3	0.22	mg/Kg dry	1		SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Phenanthrene	1.2	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL
Pyrene	5.2	0.22	mg/Kg dry	1	E	SW-846 8270D	8/7/17	8/8/17 14:04	BGL
Pyrene	5.0	0.44	mg/Kg dry	2		SW-846 8270D	8/7/17	8/8/17 19:46	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	67.4	30-130		8/8/17 14:04
Nitrobenzene-d5	65.7	30-130		8/8/17 19:46
2-Fluorobiphenyl	58.8	30-130		8/8/17 14:04
2-Fluorobiphenyl	58.4	30-130		8/8/17 19:46
p-Terphenyl-d14	60.3	30-130		8/8/17 14:04
p-Terphenyl-d14	58.4	30-130		8/8/17 19:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-3 Sampled: 7/28/2017 11:57

Sample ID: 17G1307-14

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	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG
Aroclor-1268 [1]	0.26	0.13	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:06	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		8/19/17 8:06
Decachlorobiphenyl [2]	73.1	30-150		8/19/17 8:06
Tetrachloro-m-xylene [1]	81.9	30-150		8/19/17 8:06
Tetrachloro-m-xylene [2]	79.8	30-150		8/19/17 8:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-3 Sampled: 7/28/2017 11:57

Sample ID: 17G1307-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	410	65	mg/Kg dry	5		CTDEP ETPH	8/6/17	8/7/17 21:57	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	68.3	50-150		8/7/17 21:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-11-3 Sampled: 7/28/2017 11:57

Sample ID: 17G1307-14

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	77.1		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-12-1 Sampled: 7/28/2017 12:08

Sample ID: 17G1307-15

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	8/7/17	8/19/17 8:18	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.4	30-150		8/19/17 8:18
Decachlorobiphenyl [2]	72.7	30-150		8/19/17 8:18
Tetrachloro-m-xylene [1]	81.7	30-150		8/19/17 8:18
Tetrachloro-m-xylene [2]	79.8	30-150		8/19/17 8:18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-12-1 Sampled: 7/28/2017 12:08

Sample ID: 17G1307-15

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	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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-12-2 Sampled: 7/28/2017 12:09

Sample ID: 17G1307-16

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 8:31	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG
Aroclor-1260 [2]	0.20	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:31	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		8/19/17 8:31
Decachlorobiphenyl [2]	76.0	30-150		8/19/17 8:31
Tetrachloro-m-xylene [1]	82.5	30-150		8/19/17 8:31
Tetrachloro-m-xylene [2]	82.4	30-150		8/19/17 8:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-12-2 Sampled: 7/28/2017 12:09

Sample ID: 17G1307-16

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	93.6		% 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: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-12-3 Sampled: 7/28/2017 12:10

Sample ID: 17G1307-17

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	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 8:44	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		8/19/17 8:44
Decachlorobiphenyl [2]	72.9	30-150		8/19/17 8:44
Tetrachloro-m-xylene [1]	79.9	30-150		8/19/17 8:44
Tetrachloro-m-xylene [2]	85.7	30-150		8/19/17 8:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-12-3 Sampled: 7/28/2017 12:10

Sample ID: 17G1307-17

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	81.7		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-13-1 Sampled: 7/28/2017 12:23

Sample ID: 17G1307-18

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	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1254 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1260 [1]	22	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/19/17 13:00
Decachlorobiphenyl [2]	*	30-150	S-01	8/19/17 13:00
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/19/17 13:00
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/19/17 13:00

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-13-1 Sampled: 7/28/2017 12:23

Sample ID: 17G1307-18

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

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-13-2 Sampled: 7/28/2017 12:24

Sample ID: 17G1307-19

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	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1254 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1260 [1]	20	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/7/17	8/19/17 13:13	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/19/17 13:13
Decachlorobiphenyl [2]	*	30-150	S-01	8/19/17 13:13
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/19/17 13:13
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/19/17 13:13

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-13-2 Sampled: 7/28/2017 12:24

Sample ID: 17G1307-19

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	93.9		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-13-3 Sampled: 7/28/2017 12:25

Sample ID: 17G1307-20

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	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1260 [1]	0.60	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/7/17	8/19/17 9:22	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.8	30-150		8/19/17 9:22
Decachlorobiphenyl [2]	74.8	30-150		8/19/17 9:22
Tetrachloro-m-xylene [1]	81.8	30-150		8/19/17 9:22
Tetrachloro-m-xylene [2]	82.5	30-150		8/19/17 9:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1307

Date Received: 7/28/2017

Field Sample #: WS-AOC9-SO-13-3 Sampled: 7/28/2017 12:25

Sample ID: 17G1307-20

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	83.8		% Wt	1		SM 2540G	8/4/17	8/5/17 7:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1307-08 [WS-AOC9-SO-9-3]	B183432	30.0	1.00	08/06/17
17G1307-14 [WS-AOC9-SO-11-3]	B183432	30.0	1.00	08/06/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1307-01 [WS-AOC9-SO-7-2]	B183315	08/04/17
17G1307-02 [WS-AOC9-SO-7-3]	B183315	08/04/17
17G1307-03 [WS-AOC9-SO-8-1]	B183315	08/04/17
17G1307-04 [WS-AOC9-SO-8-2]	B183315	08/04/17
17G1307-05 [WS-AOC9-SO-8-3]	B183315	08/04/17
17G1307-06 [WS-AOC9-SO-9-1]	B183315	08/04/17
17G1307-07 [WS-AOC9-SO-9-2]	B183315	08/04/17
17G1307-08 [WS-AOC9-SO-9-3]	B183315	08/04/17
17G1307-09 [WS-AOC9-SO-10-1]	B183315	08/04/17
17G1307-10 [WS-AOC9-SO-10-2]	B183315	08/04/17
17G1307-11 [WS-AOC9-SO-10-3]	B183315	08/04/17
17G1307-12 [WS-AOC9-SO-11-1]	B183315	08/04/17
17G1307-13 [WS-AOC9-SO-11-2]	B183315	08/04/17
17G1307-14 [WS-AOC9-SO-11-3]	B183315	08/04/17
17G1307-15 [WS-AOC9-SO-12-1]	B183315	08/04/17
17G1307-16 [WS-AOC9-SO-12-2]	B183315	08/04/17
17G1307-17 [WS-AOC9-SO-12-3]	B183315	08/04/17
17G1307-18 [WS-AOC9-SO-13-1]	B183315	08/04/17
17G1307-19 [WS-AOC9-SO-13-2]	B183315	08/04/17
17G1307-20 [WS-AOC9-SO-13-3]	B183315	08/04/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1307-01 [WS-AOC9-SO-7-2]	B183510	10.0	10.0	08/07/17
17G1307-02 [WS-AOC9-SO-7-3]	B183510	10.0	10.0	08/07/17
17G1307-03 [WS-AOC9-SO-8-1]	B183510	10.0	10.0	08/07/17
17G1307-04 [WS-AOC9-SO-8-2]	B183510	10.0	10.0	08/07/17
17G1307-05 [WS-AOC9-SO-8-3]	B183510	10.0	10.0	08/07/17
17G1307-06 [WS-AOC9-SO-9-1]	B183510	10.0	10.0	08/07/17
17G1307-07 [WS-AOC9-SO-9-2]	B183510	10.0	10.0	08/07/17
17G1307-08 [WS-AOC9-SO-9-3]	B183510	10.0	10.0	08/07/17
17G1307-09 [WS-AOC9-SO-10-1]	B183510	10.0	10.0	08/07/17
17G1307-10 [WS-AOC9-SO-10-2]	B183510	10.0	10.0	08/07/17
17G1307-11 [WS-AOC9-SO-10-3]	B183510	10.0	10.0	08/07/17
17G1307-12 [WS-AOC9-SO-11-1]	B183510	10.0	10.0	08/07/17
17G1307-13 [WS-AOC9-SO-11-2]	B183510	10.0	10.0	08/07/17
17G1307-14 [WS-AOC9-SO-11-3]	B183510	10.0	10.0	08/07/17
17G1307-15 [WS-AOC9-SO-12-1]	B183510	10.0	10.0	08/07/17
17G1307-16 [WS-AOC9-SO-12-2]	B183510	10.0	10.0	08/07/17
17G1307-17 [WS-AOC9-SO-12-3]	B183510	10.0	10.0	08/07/17
17G1307-18 [WS-AOC9-SO-13-1]	B183510	10.0	10.0	08/07/17
17G1307-19 [WS-AOC9-SO-13-2]	B183510	10.0	10.0	08/07/17
17G1307-20 [WS-AOC9-SO-13-3]	B183510	10.0	10.0	08/07/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1307-08 [WS-AOC9-SO-9-3]	B183156	8.21	10.0	08/02/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1307-08 [WS-AOC9-SO-9-3]	B183453	30.0	1.00	08/07/17
17G1307-14 [WS-AOC9-SO-11-3]	B183453	30.0	1.00	08/07/17
17G1307-14RE1 [WS-AOC9-SO-11-3]	B183453	30.0	1.00	08/07/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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
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 B183453 - SW-846 3546										
Blank (B183453-BLK1)				Prepared: 08/07/17 Analyzed: 08/08/17						
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	*2.92*		mg/Kg wet	3.33		87.5	30-130			
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.33		79.2	30-130			
Surrogate: p-Terphenyl-d14	*2.88*		mg/Kg wet	3.33		86.3	30-130			
LCS (B183453-BS1)				Prepared: 08/07/17 Analyzed: 08/08/17						
Acenaphthene	1.01	0.17	mg/Kg wet	1.67		60.3	40-140			
Acenaphthylene	0.951	0.17	mg/Kg wet	1.67		57.0	40-140			
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Benzo(a)anthracene	0.968	0.17	mg/Kg wet	1.67		58.1	40-140			
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.7	40-140			
Benzo(b)fluoranthene	0.982	0.17	mg/Kg wet	1.67		58.9	40-140			
Benzo(g,h,i)perylene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140			
Benzo(k)fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140			
Chrysene	0.913	0.17	mg/Kg wet	1.67		54.8	40-140			
Dibenz(a,h)anthracene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.3	40-140			
Fluorene	1.01	0.17	mg/Kg wet	1.67		60.9	40-140			
Indeno(1,2,3-cd)pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
2-Methylnaphthalene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140			
Naphthalene	0.989	0.17	mg/Kg wet	1.67		59.4	40-140			
Phenanthrene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Pyrene	1.04	0.17	mg/Kg wet	1.67		62.1	40-140			
Surrogate: Nitrobenzene-d5	*2.48*		mg/Kg wet	3.33		74.4	30-130			
Surrogate: 2-Fluorobiphenyl	*2.33*		mg/Kg wet	3.33		69.8	30-130			
Surrogate: p-Terphenyl-d14	*2.39*		mg/Kg wet	3.33		71.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183453 - SW-846 3546										
LCS Dup (B183453-BSD1)				Prepared: 08/07/17 Analyzed: 08/08/17						
Acenaphthene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	11.1	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140	8.72	30	
Anthracene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140	10.4	30	
Benzo(a)anthracene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140	9.20	30	
Benzo(a)pyrene	1.24	0.17	mg/Kg wet	1.67		74.6	40-140	12.7	30	
Benzo(b)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.9	40-140	12.7	30	
Benzo(g,h,i)perylene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	12.2	30	
Benzo(k)fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.3	40-140	13.7	30	
Chrysene	0.973	0.17	mg/Kg wet	1.67		58.4	40-140	6.36	30	
Dibenz(a,h)anthracene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	7.98	30	
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	9.90	30	
Fluorene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	10.9	30	
Indeno(1,2,3-cd)pyrene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140	6.50	30	
2-Methylnaphthalene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140	8.89	30	
Naphthalene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	8.92	30	
Phenanthrene	1.17	0.17	mg/Kg wet	1.67		70.4	40-140	10.1	30	
Pyrene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	8.86	30	
Surrogate: Nitrobenzene-d5	*2.78*		mg/Kg wet	3.33		83.3	30-130			
Surrogate: 2-Fluorobiphenyl	*2.58*		mg/Kg wet	3.33		77.4	30-130			
Surrogate: p-Terphenyl-d14	*2.66*		mg/Kg wet	3.33		79.7	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 B183510 - SW-846 3540C										
Blank (B183510-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	*0.184*		mg/Kg wet	0.200		91.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.166*		mg/Kg wet	0.200		82.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.158*		mg/Kg wet	0.200		79.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.156*		mg/Kg wet	0.200		78.0	30-150			
LCS (B183510-BS1)				Prepared: 08/07/17 Analyzed: 08/19/17						
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		83.2	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.6	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		72.5	40-140			
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.160*		mg/Kg wet	0.200		79.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.159*		mg/Kg wet	0.200		79.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.200		78.4	30-150			
LCS Dup (B183510-BSD1)				Prepared: 08/07/17 Analyzed: 08/19/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140	5.53	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		87.5	40-140	5.11	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.3	40-140	5.94	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		76.5	40-140	5.36	30	
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.168*		mg/Kg wet	0.200		84.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.167*		mg/Kg wet	0.200		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.163*		mg/Kg wet	0.200		81.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183510 - SW-846 3540C											
Matrix Spike (B183510-MS1)		**Source: 17G1307-01**		Prepared: 08/07/17 Analyzed: 08/19/17							
Aroclor-1016	0.21	0.11	mg/Kg dry	0.215	ND	98.1		40-140			
Aroclor-1016 [2C]	0.22	0.11	mg/Kg dry	0.215	ND	105		40-140			
Aroclor-1260	3.5	0.11	mg/Kg dry	0.215	3.4	**21.6**	*	40-140			MS-19
Aroclor-1260 [2C]	3.1	0.11	mg/Kg dry	0.215	3.5	**-187**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg dry	0.215		86.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.164*		mg/Kg dry	0.215		76.6		30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg dry	0.215		82.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.176*		mg/Kg dry	0.215		82.0		30-150			
Matrix Spike Dup (B183510-MSD1)		**Source: 17G1307-01**		Prepared: 08/07/17 Analyzed: 08/19/17							
Aroclor-1016	0.23	0.11	mg/Kg dry	0.215	ND	106		40-140	7.68	50	
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.215	ND	108		40-140	3.53	50	
Aroclor-1260	3.4	0.11	mg/Kg dry	0.215	3.4	**-15.2**	*	40-140	2.32	50	MS-19
Aroclor-1260 [2C]	3.0	0.11	mg/Kg dry	0.215	3.5	**-229**	*	40-140	2.98	50	MS-19
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg dry	0.215		89.5		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.167*		mg/Kg dry	0.215		77.9		30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg dry	0.215		87.9		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg dry	0.215		87.9		30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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			
LCS (B183432-BS1)				Prepared: 08/06/17 Analyzed: 08/07/17						
CT ETPH	23.9	10	mg/Kg wet	33.3		71.6	60-120			
Surrogate: o-Terphenyl	*2.84*		mg/Kg wet	3.33		85.2	50-150			
LCS Dup (B183432-BSD1)				Prepared: 08/06/17 Analyzed: 08/07/17						
CT ETPH	23.7	10	mg/Kg wet	33.3		71.2	60-120	0.513	30	
Surrogate: o-Terphenyl	*2.74*		mg/Kg wet	3.33		82.3	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-7-2

Lab Sample ID: 17G1307-01

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	3.4	
	2	0.000	-0.030	0.030	3.5	2.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-7-3

Lab Sample ID: 17G1307-02

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	1.3	
	2	0.000	-0.030	0.030	1.2	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-9-1

Lab Sample ID: 17G1307-06

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	7.6	
	2	0.000	-0.030	0.030	7.7	1.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-9-2

Lab Sample ID: 17G1307-07

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	3.9	
	2	0.000	-0.030	0.030	4.0	2.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-10-1

Lab Sample ID: 17G1307-09

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	10	
	2	0.000	-0.030	0.030	10	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-10-2

Lab Sample ID: 17G1307-10

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	8.3	
	2	0.000	-0.030	0.030	8.1	2.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-11-1

Lab Sample ID: 17G1307-12

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	3.9	
	2	0.000	-0.030	0.030	3.9	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-11-2

Lab Sample ID: 17G1307-13

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	0.25	
	2	0.000	-0.030	0.030	0.26	3.9
Aroclor-1268	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.24	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-11-3

Lab Sample ID: 17G1307-14

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-1268	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.22	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-12-2

Lab Sample ID: 17G1307-16

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	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-13-1

Lab Sample ID: 17G1307-18

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	22	
	2	0.000	-0.030	0.030	21	4.7

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-13-2

Lab Sample ID: 17G1307-19

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	20	
	2	0.000	-0.030	0.030	20	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-13-3

Lab Sample ID: 17G1307-20

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	0.60	
	2	0.000	-0.030	0.030	0.59	1.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

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Fax: 413-525-6405
Email: info@contestlabs.com

17G1307

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAH	ETPH	SVOCs	RSR 15 Metals	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
01	WS-AOC9-SO-7-2	7/28/17	10:51		X	S	U	X								
02	WS-AOC9-SO-7-3	↓	10:52		↓	↓	↓	X								
03	WS-AOC9-SO-8-1		10:03					X								
04	WS-AOC9-SO-8-2		11:04					X								
05	WS-AOC9-SO-8-3		11:05					X								
06	WS-AOC9-SO-9-1		11:15					X								
07	WS-AOC9-SO-9-2		11:16					X								
08	WS-AOC9-SO-9-3		11:17					X	X	X			X			
09	WS-AOC9-SO-10-1		11:45					X								
10	WS-AOC9-SO-10-2	↓	11:46		↓	↓	↓	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature] 7/28/17	1530
Received by: (signature) [signature] 7/28/17	Date/Time: 1339
Relinquished by: (signature) [signature] 7/28/17	Date/Time: 1645
Received by: (signature) 2.3.5.8 [signature]	Date/Time: 7/28/17 1645
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

7/28/17 1645

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAH	ETPH	SVOCs	RSR 15 Metals	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC9-SO-10-3	7/28/17	11:47		X	S	U	X								
12	WS-AOC9-SO-11-1		11:55					X								
13	WS-AOC9-SO-11-2		11:56					X								
14	WS-AOC9-SO-11-3		11:57					X	X	X						
15	WS-AOC9-SO-12-1		12:08					X								
16	WS-AOC9-SO-12-2		12:09					X								
17	WS-AOC9-SO-12-3		12:10					X								
18	WS-AOC9-SO-13-1		12:23					X								
19	WS-AOC9-SO-13-2		12:24					X								
20	WS-AOC9-SO-13-3		12:25					X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature] 7/28/17	1530
Received by: (signature)	Date/Time:
Tom Mau	7/28/17 1339
Relinquished by: (signature)	Date/Time:
Tom Mau	7/28/17 1645
Received by: (signature) 2.3.5.	Date/Time:
[signature]	7/28/17 1645
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By RLF Date 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 pertinent Information? Client T Analysis ID's T Sampler Name T
Project T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? ____
Are there Rushes? F Who was notified? ____
Are there Short Holds? F Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? NA
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? NA
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers	#		#		#
Unp-	~~2~~	1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-	1	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-	~~2~~	Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	2	Other Plastic		Other Glass		Encore	1
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		7/28/17 1645	

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

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: 17G1307

Laboratory Sample ID(s):

17G1307-01 thru 17G1307-20

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: Lisa Worthington **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.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 21, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17G1308

Enclosed are results of analyses for samples received by the laboratory on July 28, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1308

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC7-SO-17-1	17G1308-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-17-2	17G1308-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-17-3	17G1308-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-16-1	17G1308-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-16-2	17G1308-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-16-3	17G1308-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-19-1	17G1308-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-19-2	17G1308-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-19-3	17G1308-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-18-1	17G1308-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-18-2	17G1308-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC7-SO-18-3	17G1308-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-16-1	17G1308-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-16-2	17G1308-14	Soil		SM 2540G	
				SW-846 8082A	

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WORK ORDER NUMBER: 17G1308

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PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC9-SO-16-3	17G1308-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-14-1	17G1308-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-14-2	17G1308-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-14-3	17G1308-18	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC9-SO-15-1	17G1308-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-15-2	17G1308-20	Soil		SM 2540G	
				SW-846 8082A	

con-test® ANALYTICAL LABORATORY

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH

B183449-BS1

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

17G1308-03[WS-AOC7-SO-17-3], 17G1308-05[WS-AOC7-SO-16-2]

SW-846 8082A

Qualifications:

MS-12

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]

B183511-MS1, B183511-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager