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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195A (0-0.5) | Sampled: 1/18/2018 13:56

Sample ID: 18A0582-21

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	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Acenaphthylene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Aniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Benzo(a)anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Benzo(a)pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Benzo(b)fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Benzo(g,h,i)perylene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Benzo(k)fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Butylbenzylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Carbazole	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
4-Chloroaniline	ND	0.88	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/22/18	1/23/18 13:48	BGL
4-Chloro-3-methylphenol	ND	0.88	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
4-Chlorophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Chrysene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Dibenz(a,h)anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
3,3-Dichlorobenzidine	ND	0.23	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Dimethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2,4-Dinitrophenol	ND	0.88	mg/Kg dry	1	V-20	SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Di-n-octylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Fluorene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Hexachlorocyclopentadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2-Methylnaphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195A (0-0.5) | Sampled: 1/18/2018 13:56

Sample ID: 18A0582-21

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	1/22/18	1/23/18 13:48	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
3-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
4-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
4-Nitrophenol	ND	0.88	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
N-Nitrosodiphenylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
N-Nitrosodi-n-propylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Pentachloronitrobenzene	ND	0.45	mg/Kg dry	1	V-16	SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Phenanthrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
Pyridine	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 13:48	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.1	30-130		1/23/18 13:48
Phenol-d6	46.6	30-130		1/23/18 13:48
Nitrobenzene-d5	48.2	30-130		1/23/18 13:48
2-Fluorobiphenyl	50.5	30-130		1/23/18 13:48
2,4,6-Tribromophenol	57.4	30-130		1/23/18 13:48
p-Terphenyl-d14	55.0	30-130		1/23/18 13:48

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195A (0-0.5) | Sampled: 1/18/2018 13:56

Sample ID: 18A0582-21

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	25	13	mg/Kg dry	1		CTDEP ETPH	1/22/18	1/23/18 17:03	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	**43.3** *	50-150	S-25	1/23/18 17:03

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195A (0-0.5) | Sampled: 1/18/2018 13:56

Sample ID: 18A0582-21

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.2	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Arsenic	ND	2.2	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Barium	88	2.2	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Beryllium	0.45	0.22	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Cadmium	0.22	0.22	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Chromium	18	0.44	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Copper	26	0.44	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Lead	15	0.67	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Mercury	0.037	0.034	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 12:56	EJB
Nickel	19	0.44	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Selenium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Silver	ND	0.44	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Thallium	ND	2.2	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Vanadium	31	0.89	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW
Zinc	57	0.89	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:07	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195A (0-0.5) | Sampled: 1/18/2018 13:56

Sample ID: 18A0582-21

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.6		% Wt	1		SM 2540G	1/19/18	1/22/18 7:47	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195B (10-12) | Sampled: 1/18/2018 13:58

Sample ID: 18A0582-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Acrylonitrile	ND	0.0039	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Bromomethane	ND	0.0066	mg/Kg dry	1	V-34	SW-846 8260C	1/22/18	1/22/18 16:24	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Chlorodibromomethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Chloromethane	ND	0.0066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2-Dibromoethane (EDB)	ND	0.00066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,3-Dichloropropane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
2,2-Dichloropropane	ND	0.0026	mg/Kg dry	1	L-03, V-05	SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
cis-1,3-Dichloropropene	ND	0.00066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
trans-1,3-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195B (10-12) | Sampled: 1/18/2018 13:58

Sample ID: 18A0582-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1,2,2-Tetrachloroethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Tetrahydrofuran	ND	0.0066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
Vinyl Chloride	ND	0.0066	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:24	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		1/22/18 16:24
Toluene-d8	104	70-130		1/22/18 16:24
4-Bromofluorobenzene	96.6	70-130		1/22/18 16:24

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195B (10-12) | Sampled: 1/18/2018 13:58

Sample ID: 18A0582-22

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	1/22/18	1/23/18 14:11	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/22/18	1/23/18 14:11	BGL
4-Chloro-3-methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1	V-20	SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195B (10-12) | Sampled: 1/18/2018 13:58

Sample ID: 18A0582-22

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	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:11	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.6	30-130		1/23/18 14:11
Phenol-d6	52.1	30-130		1/23/18 14:11
Nitrobenzene-d5	55.9	30-130		1/23/18 14:11
2-Fluorobiphenyl	62.7	30-130		1/23/18 14:11
2,4,6-Tribromophenol	62.2	30-130		1/23/18 14:11
p-Terphenyl-d14	65.4	30-130		1/23/18 14:11

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195B (10-12) | Sampled: 1/18/2018 13:58

Sample ID: 18A0582-22

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	1/22/18	1/23/18 12:46	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	64.6	50-150				1/23/18 12:46	

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195B (10-12) | Sampled: 1/18/2018 13:58

Sample ID: 18A0582-22

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Barium	140	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Beryllium	0.52	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Cadmium	0.22	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Chromium	20	0.39	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Copper	43	0.39	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Lead	8.8	0.58	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 12:58	EJB
Nickel	22	0.39	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Vanadium	35	0.77	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW
Zinc	53	0.77	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:10	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195B (10-12) | Sampled: 1/18/2018 13:58

Sample ID: 18A0582-22

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	1/19/18	1/22/18 7:47	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195C (13-14) | Sampled: 1/18/2018 14:00

Sample ID: 18A0582-23

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Barium	22	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Beryllium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Cadmium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Chromium	6.1	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Copper	17	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Lead	3.1	0.56	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 12:59	EJB
Nickel	8.3	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Vanadium	9.1	0.75	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW
Zinc	21	0.75	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:14	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-195C (13-14) | Sampled: 1/18/2018 14:00

Sample ID: 18A0582-23

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	1/19/18	1/22/18 7:48	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193A (0-0.5) | Sampled: 1/18/2018 14:40

Sample ID: 18A0582-24

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.44	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Anthracene	0.59	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Benzo(a)anthracene	0.91	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Benzo(a)pyrene	0.81	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Benzo(b)fluoranthene	1.0	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Benzo(g,h,i)perylene	0.48	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Benzo(k)fluoranthene	0.39	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Butylbenzylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Carbazole	0.27	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
4-Chloroaniline	ND	0.82	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/22/18	1/23/18 14:34	BGL
4-Chloro-3-methylphenol	ND	0.82	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
4-Chlorophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Chrysene	0.88	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Dimethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2,4-Dinitrophenol	ND	0.82	mg/Kg dry	1	V-20	SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Di-n-octylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Fluoranthene	2.1	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Fluorene	0.33	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Hexachlorocyclopentadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Indeno(1,2,3-cd)pyrene	0.55	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193A (0-0.5) | Sampled: 1/18/2018 14:40

Sample ID: 18A0582-24

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	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Naphthalene	0.57	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
3-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
4-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
4-Nitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
N-Nitrosodiphenylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
N-Nitrosodi-n-propylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Pentachloronitrobenzene	ND	0.42	mg/Kg dry	1	V-16	SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Phenanthrene	2.1	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Pyrene	1.8	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
Pyridine	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/22/18	1/23/18 14:34	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.1	30-130		1/23/18 14:34
Phenol-d6	42.7	30-130		1/23/18 14:34
Nitrobenzene-d5	45.7	30-130		1/23/18 14:34
2-Fluorobiphenyl	50.2	30-130		1/23/18 14:34
2,4,6-Tribromophenol	44.9	30-130		1/23/18 14:34
p-Terphenyl-d14	52.4	30-130		1/23/18 14:34

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193A (0-0.5) | Sampled: 1/18/2018 14:40

Sample ID: 18A0582-24

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	550	120	mg/Kg dry	10		CTDEP ETPH	1/22/18	1/23/18 19:08	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	91.0	50-150				1/23/18 19:08	

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193A (0-0.5) | Sampled: 1/18/2018 14:40

Sample ID: 18A0582-24

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Arsenic	ND	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Barium	85	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Beryllium	0.38	0.21	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Cadmium	ND	0.21	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Chromium	16	0.42	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Copper	26	0.42	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Lead	15	0.62	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Mercury	0.039	0.031	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 13:01	EJB
Nickel	16	0.42	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Selenium	ND	4.2	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Silver	ND	0.42	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Thallium	ND	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Vanadium	30	0.83	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW
Zinc	51	0.83	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:18	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193A (0-0.5) | Sampled: 1/18/2018 14:40

Sample ID: 18A0582-24

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.2		% Wt	1		SM 2540G	1/19/18	1/22/18 7:48	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193B (10-12) | Sampled: 1/18/2018 14:42

Sample ID: 18A0582-25

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	1/22/18	1/22/18 16:50	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1	V-34	SW-846 8260C	1/22/18	1/22/18 16:50	MFF
2-Butanone (MEK)	ND	0.032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Chloroform	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
trans-1,4-Dichloro-2-butene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1-Dichloroethylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
2,2-Dichloropropane	ND	0.0032	mg/Kg dry	1	L-03, V-05	SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
trans-1,3-Dichloropropene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193B (10-12) | Sampled: 1/18/2018 14:42

Sample ID: 18A0582-25

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Naphthalene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
m+p Xylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 16:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.7	70-130		1/22/18 16:50
Toluene-d8	105	70-130		1/22/18 16:50
4-Bromofluorobenzene	96.4	70-130		1/22/18 16:50

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193B (10-12) | Sampled: 1/18/2018 14:42

Sample ID: 18A0582-25

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	1/22/18	1/24/18 8:54	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Aniline	ND	0.37	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/22/18	1/24/18 8:54	BGL
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-04, V-05	SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193B (10-12) | Sampled: 1/18/2018 14:42

Sample ID: 18A0582-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 8:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	38.5	30-130		1/24/18 8:54	
Phenol-d6	39.6	30-130		1/24/18 8:54	
Nitrobenzene-d5	39.1	30-130		1/24/18 8:54	
2-Fluorobiphenyl	42.9	30-130		1/24/18 8:54	
2,4,6-Tribromophenol	38.9	30-130		1/24/18 8:54	
p-Terphenyl-d14	48.4	30-130		1/24/18 8:54	

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193B (10-12) | Sampled: 1/18/2018 14:42

Sample ID: 18A0582-25

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	1/22/18	1/23/18 14:23	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	85.4	50-150				1/23/18 14:23	

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193B (10-12) | Sampled: 1/18/2018 14:42

Sample ID: 18A0582-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Arsenic	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Barium	86	1.8	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Beryllium	ND	0.18	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Cadmium	0.20	0.18	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Chromium	19	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Copper	32	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Lead	8.9	0.55	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Mercury	0.060	0.028	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 13:07	EJB
Nickel	22	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Silver	1.6	0.37	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Thallium	ND	3.7	mg/Kg dry	2	DL-04	SW-846 6010C-D	1/22/18	1/25/18 14:12	QNW
Vanadium	42	0.73	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW
Zinc	64	0.73	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:22	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193B (10-12) | Sampled: 1/18/2018 14:42

Sample ID: 18A0582-25

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	1/19/18	1/22/18 7:48	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193C (13-14) | Sampled: 1/18/2018 14:44

Sample ID: 18A0582-26

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Barium	89	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Beryllium	0.44	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Cadmium	0.20	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Chromium	25	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Copper	70	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Lead	9.7	0.57	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 13:08	EJB
Nickel	26	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Thallium	ND	3.8	mg/Kg dry	2	DL-04	SW-846 6010C-D	1/22/18	1/25/18 14:17	QNW
Vanadium	37	0.75	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW
Zinc	67	0.75	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/24/18 17:25	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-193C (13-14) | Sampled: 1/18/2018 14:44

Sample ID: 18A0582-26

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	1/19/18	1/22/18 7:48	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192A (0-0.5) | Sampled: 1/18/2018 15:14

Sample ID: 18A0582-27

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Acenaphthylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Aniline	ND	0.47	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Benzo(a)anthracene	0.35	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Benzo(a)pyrene	0.34	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Benzo(b)fluoranthene	0.53	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Benzo(g,h,i)perylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Benzo(k)fluoranthene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Bis(2-chloroethoxy)methane	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Bis(2-chloroethyl)ether	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Bis(2-chloroisopropyl)ether	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
4-Bromophenylphenylether	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Butylbenzylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Carbazole	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
4-Chloroaniline	ND	0.92	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/22/18	1/24/18 11:31	BGL
4-Chloro-3-methylphenol	ND	0.92	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2-Chloronaphthalene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2-Chlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
4-Chlorophenylphenylether	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Chrysene	0.38	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Dibenz(a,h)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Dibenzofuran	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Di-n-butylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
3,3-Dichlorobenzidine	ND	0.24	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2,4-Dichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Diethylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2,4-Dimethylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Dimethylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
4,6-Dinitro-2-methylphenol	ND	0.47	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2,4-Dinitrophenol	ND	0.92	mg/Kg dry	1	V-04, V-05	SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2,4-Dinitrotoluene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2,6-Dinitrotoluene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Di-n-octylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Fluoranthene	0.69	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Fluorene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Hexachlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Hexachlorobutadiene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Hexachlorocyclopentadiene	ND	0.47	mg/Kg dry	1	V-19	SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Hexachloroethane	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Indeno(1,2,3-cd)pyrene	0.24	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Isophorone	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2-Methylnaphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192A (0-0.5) | Sampled: 1/18/2018 15:14

Sample ID: 18A0582-27

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	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
3/4-Methylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Naphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
3-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
4-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Nitrobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2-Nitrophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
4-Nitrophenol	ND	0.92	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
N-Nitrosodiphenylamine	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
N-Nitrosodi-n-propylamine	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Pentachloronitrobenzene	ND	0.47	mg/Kg dry	1	V-16	SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Pentachlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Phenanthrene	0.34	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Phenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Pyrene	0.69	0.24	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
Pyridine	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
1,2,4-Trichlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2,4,5-Trichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL
2,4,6-Trichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:31	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.2	30-130		1/24/18 11:31
Phenol-d6	39.8	30-130		1/24/18 11:31
Nitrobenzene-d5	36.1	30-130		1/24/18 11:31
2-Fluorobiphenyl	40.6	30-130		1/24/18 11:31
2,4,6-Tribromophenol	43.8	30-130		1/24/18 11:31
p-Terphenyl-d14	50.4	30-130		1/24/18 11:31

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192A (0-0.5) | Sampled: 1/18/2018 15:14

Sample ID: 18A0582-27

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	89	14	mg/Kg dry	1		CTDEP ETPH	1/22/18	1/24/18 17:08	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	65.6	50-150				1/24/18 17:08	

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192A (0-0.5) | Sampled: 1/18/2018 15:14

Sample ID: 18A0582-27

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.3	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Arsenic	4.0	2.3	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Barium	99	2.3	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Beryllium	0.51	0.23	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Cadmium	0.56	0.23	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Chromium	16	0.46	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Copper	36	0.46	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Lead	23	0.69	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Mercury	0.049	0.034	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 13:10	EJB
Nickel	19	0.46	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Selenium	ND	4.6	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Silver	ND	0.46	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Thallium	ND	2.3	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Vanadium	37	0.92	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW
Zinc	59	0.92	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:21	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192A (0-0.5) | Sampled: 1/18/2018 15:14

Sample ID: 18A0582-27

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	70.7		% Wt	1		SM 2540G	1/19/18	1/22/18 7:48	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18A0582-28

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	1/22/18	1/22/18 15:30	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Bromomethane	ND	0.0067	mg/Kg dry	1	V-34	SW-846 8260C	1/22/18	1/22/18 15:30	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Chlorodibromomethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Chloromethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,3-Dichloropropane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
2,2-Dichloropropane	ND	0.0027	mg/Kg dry	1	L-03, V-05	SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
cis-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
trans-1,3-Dichloropropene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18A0582-28

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	1/22/18	1/22/18 15:30	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Tetrahydrofuran	ND	0.0067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
Vinyl Chloride	ND	0.0067	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/22/18	1/22/18 15:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		1/22/18 15:30
Toluene-d8	97.9	70-130		1/22/18 15:30
4-Bromofluorobenzene	98.3	70-130		1/22/18 15:30

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18A0582-28

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	1/22/18	1/24/18 11:56	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Aniline	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
4-Chloroaniline	ND	0.80	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/22/18	1/24/18 11:56	BGL
4-Chloro-3-methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2,4-Dinitrophenol	ND	0.80	mg/Kg dry	1	V-04, V-05	SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-19	SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18A0582-28

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	1/22/18	1/24/18 11:56	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
4-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1	V-16	SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/22/18	1/24/18 11:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.2	30-130		1/24/18 11:56
Phenol-d6	45.2	30-130		1/24/18 11:56
Nitrobenzene-d5	47.7	30-130		1/24/18 11:56
2-Fluorobiphenyl	51.9	30-130		1/24/18 11:56
2,4,6-Tribromophenol	51.4	30-130		1/24/18 11:56
p-Terphenyl-d14	65.0	30-130		1/24/18 11:56

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18A0582-28

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	1/22/18	1/23/18 14:41	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	82.2	50-150				1/23/18 14:41	

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18A0582-28

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Arsenic	11	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Barium	57	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Beryllium	ND	0.21	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Cadmium	0.35	0.21	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Chromium	17	0.41	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Copper	32	0.41	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Lead	18	0.62	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 13:12	EJB
Nickel	23	0.41	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Selenium	ND	4.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Silver	1.6	0.41	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Thallium	ND	2.1	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Vanadium	26	0.82	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW
Zinc	51	0.82	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:26	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18A0582-28

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.2		% Wt	1		SM 2540G	1/19/18	1/22/18 7:48	MRL

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192C (13-14) | Sampled: 1/18/2018 15:18

Sample ID: 18A0582-29

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Arsenic	61	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Barium	120	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Beryllium	0.27	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Cadmium	1.4	0.19	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Chromium	15	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Copper	35	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Lead	64	0.57	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	1/23/18	1/23/18 13:13	EJB
Nickel	27	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Silver	0.69	0.38	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Vanadium	30	0.76	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW
Zinc	53	0.76	mg/Kg dry	1		SW-846 6010C-D	1/22/18	1/25/18 11:31	QNW

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18A0582

Date Received: 1/18/2018

Field Sample #: B-192C (13-14) | Sampled: 1/18/2018 15:18

Sample ID: 18A0582-29

Sample Matrix: Soil

Conventional 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	1/19/18	1/22/18 7:49	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
18A0582-01 [B-204A (0-0.5)]	B195253	30.4	1.00	01/22/18
18A0582-04 [B-204D (10-12)]	B195253	30.7	1.00	01/22/18
18A0582-15 [B-196A (0-0.5)]	B195253	30.5	1.00	01/22/18
18A0582-16 [B-196B (9-11)]	B195253	30.6	1.00	01/22/18
18A0582-18 [B-197A (0-0.5)]	B195253	30.4	1.00	01/22/18
18A0582-19 [B-197B (10-12)]	B195253	30.6	1.00	01/22/18
18A0582-21 [B-195A (0-0.5)]	B195253	30.6	1.00	01/22/18
18A0582-22 [B-195B (10-12)]	B195253	30.5	1.00	01/22/18
18A0582-24 [B-193A (0-0.5)]	B195253	30.5	1.00	01/22/18
18A0582-25 [B-193B (10-12)]	B195253	30.4	1.00	01/22/18
18A0582-27 [B-192A (0-0.5)]	B195253	30.3	1.00	01/22/18
18A0582-28 [B-192B (10-12)]	B195253	30.4	1.00	01/22/18

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18A0582-01 [B-204A (0-0.5)]	B195186	01/19/18
18A0582-02 [B-204B (3-4)]	B195186	01/19/18
18A0582-03 [B-204C (7-8)]	B195186	01/19/18
18A0582-04 [B-204D (10-12)]	B195186	01/19/18
18A0582-05 [B-204E (13-14)]	B195186	01/19/18
18A0582-06 [B-203A (0-0.5)]	B195186	01/19/18
18A0582-07 [B-203B (3-4)]	B195186	01/19/18
18A0582-08 [B-203C (7-8)]	B195186	01/19/18
18A0582-09 [B-202A (0-0.5)]	B195186	01/19/18
18A0582-10 [B-202B (3-4)]	B195186	01/19/18
18A0582-11 [B-202C (7-8)]	B195186	01/19/18
18A0582-12 [B-201A (0-0.5)]	B195186	01/19/18
18A0582-13 [B-201B (3-4)]	B195186	01/19/18
18A0582-14 [B-201C (7-8)]	B195186	01/19/18
18A0582-15 [B-196A (0-0.5)]	B195186	01/19/18
18A0582-16 [B-196B (9-11)]	B195186	01/19/18
18A0582-17 [B-196C (13-14)]	B195186	01/19/18
18A0582-18 [B-197A (0-0.5)]	B195186	01/19/18
18A0582-19 [B-197B (10-12)]	B195186	01/19/18
18A0582-20 [B-197C (13-14)]	B195186	01/19/18
18A0582-21 [B-195A (0-0.5)]	B195186	01/19/18
18A0582-22 [B-195B (10-12)]	B195186	01/19/18
18A0582-23 [B-195C (13-14)]	B195186	01/19/18
18A0582-24 [B-193A (0-0.5)]	B195186	01/19/18
18A0582-25 [B-193B (10-12)]	B195186	01/19/18
18A0582-26 [B-193C (13-14)]	B195186	01/19/18
18A0582-27 [B-192A (0-0.5)]	B195186	01/19/18
18A0582-28 [B-192B (10-12)]	B195186	01/19/18
18A0582-29 [B-192C (13-14)]	B195186	01/19/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0582-01 [B-204A (0-0.5)]	B195242	1.51	50.0	01/22/18
18A0582-04 [B-204D (10-12)]	B195242	1.52	50.0	01/22/18
18A0582-05 [B-204E (13-14)]	B195242	1.53	50.0	01/22/18
18A0582-15 [B-196A (0-0.5)]	B195242	1.52	50.0	01/22/18

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 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0582-16 [B-196B (9-11)]	B195242	1.51	50.0	01/22/18
18A0582-17 [B-196C (13-14)]	B195242	1.53	50.0	01/22/18
18A0582-18 [B-197A (0-0.5)]	B195242	1.53	50.0	01/22/18
18A0582-19 [B-197B (10-12)]	B195242	1.52	50.0	01/22/18
18A0582-20 [B-197C (13-14)]	B195242	1.53	50.0	01/22/18
18A0582-21 [B-195A (0-0.5)]	B195242	1.53	50.0	01/22/18
18A0582-22 [B-195B (10-12)]	B195242	1.53	50.0	01/22/18
18A0582-23 [B-195C (13-14)]	B195242	1.50	50.0	01/22/18
18A0582-24 [B-193A (0-0.5)]	B195242	1.52	50.0	01/22/18
18A0582-25 [B-193B (10-12)]	B195242	1.51	50.0	01/22/18
18A0582-26 [B-193C (13-14)]	B195242	1.49	50.0	01/22/18
18A0582-27 [B-192A (0-0.5)]	B195242	1.53	50.0	01/22/18
18A0582-28 [B-192B (10-12)]	B195242	1.50	50.0	01/22/18
18A0582-29 [B-192C (13-14)]	B195242	1.50	50.0	01/22/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0582-01 [B-204A (0-0.5)]	B195243	0.592	50.0	01/23/18
18A0582-04 [B-204D (10-12)]	B195243	0.613	50.0	01/23/18
18A0582-05 [B-204E (13-14)]	B195243	0.625	50.0	01/23/18
18A0582-15 [B-196A (0-0.5)]	B195243	0.591	50.0	01/23/18
18A0582-16 [B-196B (9-11)]	B195243	0.614	50.0	01/23/18
18A0582-17 [B-196C (13-14)]	B195243	0.579	50.0	01/23/18
18A0582-18 [B-197A (0-0.5)]	B195243	0.620	50.0	01/23/18
18A0582-19 [B-197B (10-12)]	B195243	0.573	50.0	01/23/18
18A0582-20 [B-197C (13-14)]	B195243	0.597	50.0	01/23/18
18A0582-21 [B-195A (0-0.5)]	B195243	0.593	50.0	01/23/18
18A0582-22 [B-195B (10-12)]	B195243	0.609	50.0	01/23/18
18A0582-23 [B-195C (13-14)]	B195243	0.600	50.0	01/23/18
18A0582-24 [B-193A (0-0.5)]	B195243	0.607	50.0	01/23/18
18A0582-25 [B-193B (10-12)]	B195243	0.591	50.0	01/23/18
18A0582-26 [B-193C (13-14)]	B195243	0.582	50.0	01/23/18
18A0582-27 [B-192A (0-0.5)]	B195243	0.616	50.0	01/23/18
18A0582-28 [B-192B (10-12)]	B195243	0.622	50.0	01/23/18
18A0582-29 [B-192C (13-14)]	B195243	0.597	50.0	01/23/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0582-01 [B-204A (0-0.5)]	B195263	10.2	10.0	01/22/18
18A0582-02 [B-204B (3-4)]	B195263	10.4	10.0	01/22/18
18A0582-03 [B-204C (7-8)]	B195263	10.1	10.0	01/22/18
18A0582-04 [B-204D (10-12)]	B195263	10.2	10.0	01/22/18
18A0582-06 [B-203A (0-0.5)]	B195263	10.3	10.0	01/22/18
18A0582-07 [B-203B (3-4)]	B195263	10.1	10.0	01/22/18
18A0582-08 [B-203C (7-8)]	B195263	10.2	10.0	01/22/18
18A0582-09 [B-202A (0-0.5)]	B195263	10.1	10.0	01/22/18
18A0582-10 [B-202B (3-4)]	B195263	10.0	10.0	01/22/18
18A0582-11 [B-202C (7-8)]	B195263	10.2	10.0	01/22/18
18A0582-12 [B-201A (0-0.5)]	B195263	10.1	10.0	01/22/18
18A0582-13 [B-201B (3-4)]	B195263	10.1	10.0	01/22/18
18A0582-14 [B-201C (7-8)]	B195263	10.1	10.0	01/22/18

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
18A0582-04 [B-204D (10-12)]	B195288	8.59	10.0	01/22/18
18A0582-16 [B-196B (9-11)]	B195288	8.03	10.0	01/22/18
18A0582-19 [B-197B (10-12)]	B195288	7.92	10.0	01/22/18
18A0582-22 [B-195B (10-12)]	B195288	9.03	10.0	01/22/18
18A0582-25 [B-193B (10-12)]	B195288	7.01	10.0	01/22/18
18A0582-28 [B-192B (10-12)]	B195288	9.18	10.0	01/22/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0582-01 [B-204A (0-0.5)]	B195254	30.4	1.00	01/22/18
18A0582-04 [B-204D (10-12)]	B195254	30.8	1.00	01/22/18
18A0582-15 [B-196A (0-0.5)]	B195254	30.4	1.00	01/22/18
18A0582-16 [B-196B (9-11)]	B195254	30.6	1.00	01/22/18
18A0582-18 [B-197A (0-0.5)]	B195254	30.4	1.00	01/22/18
18A0582-18RE1 [B-197A (0-0.5)]	B195254	30.4	1.00	01/22/18
18A0582-19 [B-197B (10-12)]	B195254	30.7	1.00	01/22/18
18A0582-21 [B-195A (0-0.5)]	B195254	30.5	1.00	01/22/18
18A0582-22 [B-195B (10-12)]	B195254	30.5	1.00	01/22/18
18A0582-24 [B-193A (0-0.5)]	B195254	30.4	1.00	01/22/18
18A0582-25 [B-193B (10-12)]	B195254	30.5	1.00	01/22/18
18A0582-27 [B-192A (0-0.5)]	B195254	30.5	1.00	01/22/18
18A0582-28 [B-192B (10-12)]	B195254	30.4	1.00	01/22/18

con-test® ANALYTICAL LABORATORY
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 B195288 - SW-846 5035										
Blank (B195288-BLK1)				Prepared & Analyzed: 01/22/18						
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							V-34
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							L-03, V-05
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							

con-test® ANALYTICAL LABORATORY
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 B195288 - SW-846 5035										
Blank (B195288-BLK1)				Prepared & Analyzed: 01/22/18						
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	*0.0565*		mg/Kg wet	0.0500		113	70-130			
Surrogate: Toluene-d8	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0497*		mg/Kg wet	0.0500		99.3	70-130			
LCS (B195288-BS1)				Prepared & Analyzed: 01/22/18						
Acetone	0.258	0.10	mg/Kg wet	0.200		129	70-130			
Acrylonitrile	0.0206	0.0060	mg/Kg wet	0.0200		103	70-130			
Benzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
Bromobenzene	0.0176	0.0020	mg/Kg wet	0.0200		88.2	70-130			
Bromodichloromethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
Bromoform	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
Bromomethane	0.0205	0.010	mg/Kg wet	0.0200		102	70-130			V-34
2-Butanone (MEK)	0.236	0.040	mg/Kg wet	0.200		118	70-130			
n-Butylbenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.3	70-130			
sec-Butylbenzene	0.0161	0.0020	mg/Kg wet	0.0200		80.7	70-130			
tert-Butylbenzene	0.0158	0.0020	mg/Kg wet	0.0200		79.2	70-130			
Carbon Disulfide	0.185	0.0060	mg/Kg wet	0.200		92.3	70-130			
Carbon Tetrachloride	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			
Chlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130			
Chlorodibromomethane	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130			
Chloroethane	0.0174	0.020	mg/Kg wet	0.0200		87.0	70-130			
Chloroform	0.0219	0.0040	mg/Kg wet	0.0200		110	70-130			
Chloromethane	0.0161	0.010	mg/Kg wet	0.0200		80.3	70-130			
2-Chlorotoluene	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130			
4-Chlorotoluene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130			
1,2-Dibromoethane (EDB)	0.0228	0.0010	mg/Kg wet	0.0200		114	70-130			
Dibromomethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,2-Dichlorobenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.5	70-130			
1,3-Dichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.4	70-130			
1,4-Dichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
trans-1,4-Dichloro-2-butene	0.0172	0.0040	mg/Kg wet	0.0200		86.1	70-130			
Dichlorodifluoromethane (Freon 12)	0.0206	0.020	mg/Kg wet	0.0200		103	70-130			
1,1-Dichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,2-Dichloroethane	0.0241	0.0020	mg/Kg wet	0.0200		120	70-130			
1,1-Dichloroethylene	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130			

con-test® ANALYTICAL LABORATORY
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 B195288 - SW-846 5035											
LCS (B195288-BS1)				Prepared & Analyzed: 01/22/18							
cis-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
trans-1,2-Dichloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dichloropropane	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130			
1,3-Dichloropropane	0.0223	0.0010	mg/Kg wet	0.0200		112		70-130			
2,2-Dichloropropane	0.0115	0.0020	mg/Kg wet	0.0200		**57.3**	*	70-130			L-03, V-05
1,1-Dichloropropene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
cis-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		98.8		70-130			
trans-1,3-Dichloropropene	0.0197	0.0010	mg/Kg wet	0.0200		98.5		70-130			
Ethylbenzene	0.0169	0.0020	mg/Kg wet	0.0200		84.4		70-130			
Hexachlorobutadiene	0.0180	0.0020	mg/Kg wet	0.0200		89.9		70-130			
2-Hexanone (MBK)	0.254	0.020	mg/Kg wet	0.200		127		70-130			
Isopropylbenzene (Cumene)	0.0167	0.0020	mg/Kg wet	0.0200		83.3		70-130			
p-Isopropyltoluene (p-Cymene)	0.0163	0.0020	mg/Kg wet	0.0200		81.7		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0199	0.0040	mg/Kg wet	0.0200		99.7		70-130			
Methylene Chloride	0.0200	0.020	mg/Kg wet	0.0200		100		70-130			
4-Methyl-2-pentanone (MIBK)	0.246	0.020	mg/Kg wet	0.200		123		70-130			
Naphthalene	0.0184	0.0040	mg/Kg wet	0.0200		91.9		70-130			
n-Propylbenzene	0.0169	0.0020	mg/Kg wet	0.0200		84.4		70-130			
Styrene	0.0179	0.0020	mg/Kg wet	0.0200		89.4		70-130			
1,1,1,2-Tetrachloroethane	0.0181	0.0020	mg/Kg wet	0.0200		90.6		70-130			
1,1,2,2-Tetrachloroethane	0.0200	0.0010	mg/Kg wet	0.0200		99.9		70-130			
Tetrachloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.3		70-130			
Tetrahydrofuran	0.0230	0.010	mg/Kg wet	0.0200		115		70-130			
Toluene	0.0180	0.0020	mg/Kg wet	0.0200		90.2		70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.6		70-130			
1,2,4-Trichlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1		70-130			
1,1,1-Trichloroethane	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130			
1,1,2-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
Trichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.7		70-130			
Trichlorofluoromethane (Freon 11)	0.0215	0.010	mg/Kg wet	0.0200		108		70-130			
1,2,3-Trichloropropane	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0207	0.010	mg/Kg wet	0.0200		103		70-130			
1,2,4-Trimethylbenzene	0.0162	0.0020	mg/Kg wet	0.0200		80.9		70-130			
1,3,5-Trimethylbenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.6		70-130			
Vinyl Chloride	0.0196	0.010	mg/Kg wet	0.0200		97.8		70-130			
m+p Xylene	0.0342	0.0040	mg/Kg wet	0.0400		85.4		70-130			
o-Xylene	0.0170	0.0020	mg/Kg wet	0.0200		84.8		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0600*		mg/Kg wet	0.0500		120		70-130			
Surrogate: Toluene-d8	*0.0509*		mg/Kg wet	0.0500		102		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0515*		mg/Kg wet	0.0500		103		70-130			

con-test® ANALYTICAL LABORATORY
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 B195254 - SW-846 3546										
Blank (B195254-BLK1)				Prepared: 01/22/18 Analyzed: 01/23/18						
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, V-34
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							V-34
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							V-20
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							

con-test® ANALYTICAL LABORATORY
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 B195254 - SW-846 3546												
Blank (B195254-BLK1)				Prepared: 01/22/18 Analyzed: 01/23/18								
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	*4.23*		mg/Kg wet	6.67		63.5		30-130				
Surrogate: Phenol-d6	*4.75*		mg/Kg wet	6.67		71.2		30-130				
Surrogate: Nitrobenzene-d5	*2.29*		mg/Kg wet	3.33		68.7		30-130				
Surrogate: 2-Fluorobiphenyl	*2.11*		mg/Kg wet	3.33		63.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*5.14*		mg/Kg wet	6.67		77.1		30-130				
Surrogate: p-Terphenyl-d14	*2.82*		mg/Kg wet	3.33		84.6		30-130				
LCS (B195254-BS1)				Prepared: 01/22/18 Analyzed: 01/23/18								
Acenaphthene	1.05	0.17	mg/Kg wet	1.67		63.1		40-140				
Acenaphthylene	1.01	0.17	mg/Kg wet	1.67		60.8		40-140				
Aniline	0.666	0.34	mg/Kg wet	1.67		40.0		40-140			L-07	†
Anthracene	1.11	0.17	mg/Kg wet	1.67		66.6		40-140				
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		64.9		40-140				
Benzo(a)pyrene	1.10	0.17	mg/Kg wet	1.67		66.1		40-140				
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.8		40-140				
Benzo(g,h,i)perylene	1.08	0.17	mg/Kg wet	1.67		64.6		40-140				
Benzo(k)fluoranthene	1.08	0.17	mg/Kg wet	1.67		65.0		40-140				
Bis(2-chloroethoxy)methane	1.09	0.34	mg/Kg wet	1.67		65.1		40-140				
Bis(2-chloroethyl)ether	1.01	0.34	mg/Kg wet	1.67		60.9		40-140				
Bis(2-chloroisopropyl)ether	1.01	0.34	mg/Kg wet	1.67		60.4		40-140				
Bis(2-Ethylhexyl)phthalate	1.11	0.34	mg/Kg wet	1.67		66.7		40-140				
4-Bromophenylphenylether	1.15	0.34	mg/Kg wet	1.67		68.8		40-140				
Butylbenzylphthalate	1.05	0.34	mg/Kg wet	1.67		63.1		40-140				
Carbazole	1.06	0.17	mg/Kg wet	1.67		63.7		40-140				
4-Chloroaniline	0.559	0.66	mg/Kg wet	1.67		**33.5**	*	40-140			L-04, V-34	†
4-Chloro-3-methylphenol	1.09	0.66	mg/Kg wet	1.67		65.2		30-130				
2-Chloronaphthalene	0.948	0.34	mg/Kg wet	1.67		56.9		40-140				
2-Chlorophenol	0.973	0.34	mg/Kg wet	1.67		58.4		30-130				
4-Chlorophenylphenylether	1.11	0.34	mg/Kg wet	1.67		66.4		40-140				
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.1		40-140				
Dibenz(a,h)anthracene	1.07	0.17	mg/Kg wet	1.67		64.2		40-140				
Dibenzofuran	1.09	0.34	mg/Kg wet	1.67		65.4		40-140				
Di-n-butylphthalate	1.07	0.34	mg/Kg wet	1.67		64.1		40-140				
3,3-Dichlorobenzidine	0.711	0.17	mg/Kg wet	1.67		42.6		40-140			V-34	†
2,4-Dichlorophenol	1.16	0.34	mg/Kg wet	1.67		69.6		30-130				
Diethylphthalate	1.06	0.34	mg/Kg wet	1.67		63.4		40-140				
2,4-Dimethylphenol	1.02	0.34	mg/Kg wet	1.67		61.2		30-130				
Dimethylphthalate	1.09	0.34	mg/Kg wet	1.67		65.7		40-140				
4,6-Dinitro-2-methylphenol	1.05	0.34	mg/Kg wet	1.67		62.7		30-130				

con-test® ANALYTICAL LABORATORY
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 B195254 - SW-846 3546											
LCS (B195254-BS1)				Prepared: 01/22/18 Analyzed: 01/23/18							
2,4-Dinitrophenol	0.860	0.66	mg/Kg wet	1.67		51.6	30-130			V-20	
2,4-Dinitrotoluene	1.20	0.34	mg/Kg wet	1.67		72.0	40-140				
2,6-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140				
Di-n-octylphthalate	1.11	0.34	mg/Kg wet	1.67		66.6	40-140				
Fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140				
Fluorene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140				
Hexachlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140				
Hexachlorobutadiene	1.08	0.34	mg/Kg wet	1.67		64.9	40-140				
Hexachlorocyclopentadiene	1.05	0.34	mg/Kg wet	1.67		62.8	30-140				
Hexachloroethane	0.923	0.34	mg/Kg wet	1.67		55.4	40-140				
Indeno(1,2,3-cd)pyrene	1.09	0.17	mg/Kg wet	1.67		65.1	40-140				
Isophorone	1.04	0.34	mg/Kg wet	1.67		62.3	40-140				
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140				
2-Methylphenol	0.993	0.34	mg/Kg wet	1.67		59.6	30-130				
3/4-Methylphenol	0.988	0.34	mg/Kg wet	1.67		59.3	30-130				
Naphthalene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140				
2-Nitroaniline	1.23	0.34	mg/Kg wet	1.67		74.1	40-140				
3-Nitroaniline	0.901	0.34	mg/Kg wet	1.67		54.1	40-140				†
4-Nitroaniline	1.09	0.34	mg/Kg wet	1.67		65.6	40-140				
Nitrobenzene	0.941	0.34	mg/Kg wet	1.67		56.4	40-140				
2-Nitrophenol	1.11	0.34	mg/Kg wet	1.67		66.4	30-130				
4-Nitrophenol	1.06	0.66	mg/Kg wet	1.67		63.5	10-130				
N-Nitrosodiphenylamine	1.28	0.34	mg/Kg wet	1.67		76.9	40-140				
N-Nitrosodi-n-propylamine	0.937	0.34	mg/Kg wet	1.67		56.2	40-140				
Pentachloronitrobenzene	1.16	0.34	mg/Kg wet	1.67		69.4	40-140			V-16	
Pentachlorophenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130				
Phenanthrene	1.09	0.17	mg/Kg wet	1.67		65.2	40-140				
Phenol	0.974	0.34	mg/Kg wet	1.67		58.4	20-130				
Pyrene	1.09	0.17	mg/Kg wet	1.67		65.2	40-140				
Pyridine	0.686	0.34	mg/Kg wet	1.67		41.2	10-140				†
1,2,4,5-Tetrachlorobenzene	1.01	0.34	mg/Kg wet	1.67		60.8	40-140				
1,2,4-Trichlorobenzene	1.03	0.34	mg/Kg wet	1.67		61.9	40-140				
2,4,5-Trichlorophenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130				
2,4,6-Trichlorophenol	1.11	0.34	mg/Kg wet	1.67		66.7	30-130				
Surrogate: 2-Fluorophenol	*4.12*		mg/Kg wet	6.67		61.8	30-130				
Surrogate: Phenol-d6	*4.11*		mg/Kg wet	6.67		61.6	30-130				
Surrogate: Nitrobenzene-d5	*2.01*		mg/Kg wet	3.33		60.3	30-130				
Surrogate: 2-Fluorobiphenyl	*2.18*		mg/Kg wet	3.33		65.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*4.87*		mg/Kg wet	6.67		73.1	30-130				
Surrogate: p-Terphenyl-d14	*2.32*		mg/Kg wet	3.33		69.6	30-130				
LCS Dup (B195254-BSD1)				Prepared: 01/22/18 Analyzed: 01/23/18							
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140	0.978	30		
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	0.558	30		
Aniline	0.795	0.34	mg/Kg wet	1.67		47.7	40-140	17.6	50		† ‡
Anthracene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140	0.0301	30		
Benzo(a)anthracene	1.09	0.17	mg/Kg wet	1.67		65.7	40-140	1.20	30		
Benzo(a)pyrene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140	2.10	30		
Benzo(b)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.3	40-140	3.84	30		
Benzo(g,h,i)perylene	1.16	0.17	mg/Kg wet	1.67		69.5	40-140	7.40	30		
Benzo(k)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	2.52	30		
Bis(2-chloroethoxy)methane	1.18	0.34	mg/Kg wet	1.67		70.5	40-140	7.90	30		

con-test® ANALYTICAL LABORATORY
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 B195254 - SW-846 3546												
LCS Dup (B195254-BSD1)				Prepared: 01/22/18 Analyzed: 01/23/18								
Bis(2-chloroethyl)ether	1.18	0.34	mg/Kg wet	1.67		70.8		40-140	15.2	30		
Bis(2-chloroisopropyl)ether	1.12	0.34	mg/Kg wet	1.67		67.0		40-140	10.4	30		
Bis(2-Ethylhexyl)phthalate	1.23	0.34	mg/Kg wet	1.67		73.5		40-140	9.79	30		
4-Bromophenylphenylether	1.01	0.34	mg/Kg wet	1.67		60.6		40-140	12.6	30		
Butylbenzylphthalate	1.10	0.34	mg/Kg wet	1.67		65.8		40-140	4.22	30		
Carbazole	1.07	0.17	mg/Kg wet	1.67		64.0		40-140	0.564	30		
4-Chloroaniline	0.554	0.66	mg/Kg wet	1.67		**33.3**	*	40-140	0.779	30	L-04, V-34	†
4-Chloro-3-methylphenol	1.09	0.66	mg/Kg wet	1.67		65.5		30-130	0.337	30		
2-Chloronaphthalene	0.987	0.34	mg/Kg wet	1.67		59.2		40-140	4.06	30		
2-Chlorophenol	1.11	0.34	mg/Kg wet	1.67		66.4		30-130	12.8	30		
4-Chlorophenylphenylether	1.09	0.34	mg/Kg wet	1.67		65.4		40-140	1.52	30		
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.5		40-140	0.622	30		
Dibenz(a,h)anthracene	1.24	0.17	mg/Kg wet	1.67		74.3		40-140	14.7	30		
Dibenzofuran	1.07	0.34	mg/Kg wet	1.67		64.5		40-140	1.39	30		
Di-n-butylphthalate	1.10	0.34	mg/Kg wet	1.67		65.9		40-140	2.80	30		
3,3-Dichlorobenzidine	0.693	0.17	mg/Kg wet	1.67		41.6		40-140	2.52	30	V-34	† ‡
2,4-Dichlorophenol	1.02	0.34	mg/Kg wet	1.67		61.3		30-130	12.6	30		
Diethylphthalate	1.08	0.34	mg/Kg wet	1.67		64.5		40-140	1.72	30		
2,4-Dimethylphenol	1.02	0.34	mg/Kg wet	1.67		61.1		30-130	0.229	30		
Dimethylphthalate	1.06	0.34	mg/Kg wet	1.67		63.8		40-140	2.94	50		
4,6-Dinitro-2-methylphenol	0.985	0.34	mg/Kg wet	1.67		59.1		30-130	5.98	50		
2,4-Dinitrophenol	0.890	0.66	mg/Kg wet	1.67		53.4		30-130	3.43	50	V-20	
2,4-Dinitrotoluene	1.21	0.34	mg/Kg wet	1.67		72.4		40-140	0.610	30		
2,6-Dinitrotoluene	1.20	0.34	mg/Kg wet	1.67		71.7		40-140	2.23	30		
Di-n-octylphthalate	1.15	0.34	mg/Kg wet	1.67		69.3		40-140	3.86	30		
Fluoranthene	0.911	0.17	mg/Kg wet	1.67		54.7		40-140	16.3	30		
Fluorene	1.07	0.17	mg/Kg wet	1.67		64.2		40-140	1.79	30		
Hexachlorobenzene	0.991	0.34	mg/Kg wet	1.67		59.5		40-140	11.9	30		
Hexachlorobutadiene	1.01	0.34	mg/Kg wet	1.67		60.7		40-140	6.63	30		
Hexachlorocyclopentadiene	1.03	0.34	mg/Kg wet	1.67		62.0		30-140	1.35	50		
Hexachloroethane	0.974	0.34	mg/Kg wet	1.67		58.5		40-140	5.38	50		
Indeno(1,2,3-cd)pyrene	1.15	0.17	mg/Kg wet	1.67		68.8		40-140	5.49	50		
Isophorone	1.08	0.34	mg/Kg wet	1.67		64.5		40-140	3.53	30		
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		68.0		40-140	2.41	30		
2-Methylphenol	0.948	0.34	mg/Kg wet	1.67		56.9		30-130	4.71	30		
3/4-Methylphenol	0.986	0.34	mg/Kg wet	1.67		59.2		30-130	0.169	30		
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.6		40-140	0.629	30		
2-Nitroaniline	1.48	0.34	mg/Kg wet	1.67		88.5		40-140	17.8	30		
3-Nitroaniline	0.956	0.34	mg/Kg wet	1.67		57.4		40-140	5.89	30		†
4-Nitroaniline	1.17	0.34	mg/Kg wet	1.67		70.2		40-140	6.83	30		
Nitrobenzene	1.01	0.34	mg/Kg wet	1.67		60.6		40-140	7.14	30		
2-Nitrophenol	1.14	0.34	mg/Kg wet	1.67		68.2		30-130	2.71	30		
4-Nitrophenol	1.15	0.66	mg/Kg wet	1.67		69.0		10-130	8.27	50		‡
N-Nitrosodiphenylamine	1.22	0.34	mg/Kg wet	1.67		73.1		40-140	5.07	30		
N-Nitrosodi-n-propylamine	1.00	0.34	mg/Kg wet	1.67		60.1		40-140	6.64	30		
Pentachloronitrobenzene	0.972	0.34	mg/Kg wet	1.67		58.3		40-140	17.4	30	V-16	
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.67		60.2		30-130	13.6	50		
Phenanthrene	1.09	0.17	mg/Kg wet	1.67		65.6		40-140	0.611	30		
Phenol	1.11	0.34	mg/Kg wet	1.67		66.6		20-130	13.1	30		
Pyrene	1.07	0.17	mg/Kg wet	1.67		64.5		40-140	1.17	30		
Pyridine	0.838	0.34	mg/Kg wet	1.67		50.3		10-140	19.9	50		†
1,2,4,5-Tetrachlorobenzene	1.00	0.34	mg/Kg wet	1.67		60.0		40-140	1.26	30		

con-test® ANALYTICAL LABORATORY
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 B195254 - SW-846 3546											
LCS Dup (B195254-BSD1)				Prepared: 01/22/18 Analyzed: 01/23/18							
1,2,4-Trichlorobenzene	1.01	0.34	mg/Kg wet	1.67		60.3		40-140	2.62	30	
2,4,5-Trichlorophenol	1.14	0.34	mg/Kg wet	1.67		68.1		30-130	5.06	30	
2,4,6-Trichlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3		30-130	2.31	50	
Surrogate: 2-Fluorophenol	*4.52*		mg/Kg wet	6.67		67.8		30-130			
Surrogate: Phenol-d6	*4.67*		mg/Kg wet	6.67		70.1		30-130			
Surrogate: Nitrobenzene-d5	*2.14*		mg/Kg wet	3.33		64.1		30-130			
Surrogate: 2-Fluorobiphenyl	*2.20*		mg/Kg wet	3.33		66.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*4.53*		mg/Kg wet	6.67		68.0		30-130			
Surrogate: p-Terphenyl-d14	*2.21*		mg/Kg wet	3.33		66.3		30-130			
Matrix Spike (B195254-MS1)	**Source: 18A0582-04**			Prepared: 01/22/18 Analyzed: 01/23/18							
Acenaphthene	1.19	0.19	mg/Kg dry	1.87	ND	63.8		40-140			
Acenaphthylene	1.14	0.19	mg/Kg dry	1.87	ND	61.0		40-140			
Aniline	0.763	0.38	mg/Kg dry	1.87	ND	40.9		40-140			
Anthracene	1.26	0.19	mg/Kg dry	1.87	ND	67.6		40-140			
Benzo(a)anthracene	1.25	0.19	mg/Kg dry	1.87	ND	66.7		40-140			
Benzo(a)pyrene	1.27	0.19	mg/Kg dry	1.87	ND	68.2		40-140			
Benzo(b)fluoranthene	1.21	0.19	mg/Kg dry	1.87	ND	64.7		40-140			
Benzo(g,h,i)perylene	1.26	0.19	mg/Kg dry	1.87	ND	67.5		40-140			
Benzo(k)fluoranthene	1.22	0.19	mg/Kg dry	1.87	ND	65.4		40-140			
Bis(2-chloroethoxy)methane	1.24	0.38	mg/Kg dry	1.87	ND	66.4		40-140			
Bis(2-chloroethyl)ether	1.15	0.38	mg/Kg dry	1.87	ND	61.8		40-140			
Bis(2-chloroisopropyl)ether	1.15	0.38	mg/Kg dry	1.87	ND	61.8		40-140			
Bis(2-Ethylhexyl)phthalate	1.36	0.38	mg/Kg dry	1.87	ND	73.0		40-140			
4-Bromophenylphenylether	1.32	0.38	mg/Kg dry	1.87	ND	70.5		40-140			
Butylbenzylphthalate	1.32	0.38	mg/Kg dry	1.87	ND	70.5		40-140			
Carbazole	1.20	0.19	mg/Kg dry	1.87	ND	64.4		40-140			
4-Chloroaniline	0.717	0.74	mg/Kg dry	1.87	ND	**38.4**	*	40-140			L-04, MS-09, V-34
4-Chloro-3-methylphenol	1.19	0.74	mg/Kg dry	1.87	ND	63.9		30-130			
2-Chloronaphthalene	1.05	0.38	mg/Kg dry	1.87	ND	56.3		40-140			
2-Chlorophenol	1.17	0.38	mg/Kg dry	1.87	ND	62.9		30-130			
4-Chlorophenylphenylether	1.21	0.38	mg/Kg dry	1.87	ND	64.7		40-140			
Chrysene	1.22	0.19	mg/Kg dry	1.87	ND	65.4		40-140			
Dibenz(a,h)anthracene	1.30	0.19	mg/Kg dry	1.87	ND	69.4		40-140			
Dibenzofuran	1.20	0.38	mg/Kg dry	1.87	ND	64.4		40-140			
Di-n-butylphthalate	1.23	0.38	mg/Kg dry	1.87	ND	66.0		40-140			
3,3-Dichlorobenzidine	1.01	0.19	mg/Kg dry	1.87	ND	54.3		40-140			V-34
2,4-Dichlorophenol	1.30	0.38	mg/Kg dry	1.87	ND	69.5		30-130			
Diethylphthalate	1.17	0.38	mg/Kg dry	1.87	ND	62.8		40-140			
2,4-Dimethylphenol	1.05	0.38	mg/Kg dry	1.87	ND	56.5		30-130			
Dimethylphthalate	1.23	0.38	mg/Kg dry	1.87	ND	65.8		40-140			
4,6-Dinitro-2-methylphenol	1.08	0.38	mg/Kg dry	1.87	ND	57.7		30-130			
2,4-Dinitrophenol	1.09	0.74	mg/Kg dry	1.87	ND	58.6		30-130			V-20
2,4-Dinitrotoluene	1.29	0.38	mg/Kg dry	1.87	ND	69.0		40-140			
2,6-Dinitrotoluene	1.31	0.38	mg/Kg dry	1.87	ND	70.4		40-140			
Di-n-octylphthalate	1.38	0.38	mg/Kg dry	1.87	ND	73.9		40-140			
Fluoranthene	1.26	0.19	mg/Kg dry	1.87	ND	67.6		40-140			
Fluorene	1.16	0.19	mg/Kg dry	1.87	ND	62.0		40-140			
Hexachlorobenzene	1.27	0.38	mg/Kg dry	1.87	ND	68.0		40-140			
Hexachlorobutadiene	1.23	0.38	mg/Kg dry	1.87	ND	65.7		40-140			
Hexachlorocyclopentadiene	0.749	0.38	mg/Kg dry	1.87	ND	40.1		40-140			
Hexachloroethane	1.03	0.38	mg/Kg dry	1.87	ND	55.4		40-140			

con-test® ANALYTICAL LABORATORY
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 B195254 - SW-846 3546											
Matrix Spike (B195254-MS1)	**Source: 18A0582-04**			Prepared: 01/22/18 Analyzed: 01/23/18							
Indeno(1,2,3-cd)pyrene	1.25	0.19	mg/Kg dry	1.87	ND	66.9		40-140			
Isophorone	1.17	0.38	mg/Kg dry	1.87	ND	62.8		40-140			
2-Methylnaphthalene	1.31	0.19	mg/Kg dry	1.87	ND	70.1		40-140			
2-Methylphenol	1.07	0.38	mg/Kg dry	1.87	ND	57.5		30-130			
3/4-Methylphenol	1.11	0.38	mg/Kg dry	1.87	ND	59.6		30-130			
Naphthalene	1.14	0.19	mg/Kg dry	1.87	ND	61.2		40-140			
2-Nitroaniline	1.39	0.38	mg/Kg dry	1.87	ND	74.7		40-140			
3-Nitroaniline	1.14	0.38	mg/Kg dry	1.87	ND	60.9		40-140			
4-Nitroaniline	1.19	0.38	mg/Kg dry	1.87	ND	63.9		40-140			
Nitrobenzene	1.07	0.38	mg/Kg dry	1.87	ND	57.4		40-140			
2-Nitrophenol	1.22	0.38	mg/Kg dry	1.87	ND	65.4		30-130			
4-Nitrophenol	1.19	0.74	mg/Kg dry	1.87	ND	63.5		30-130			
N-Nitrosodiphenylamine	1.45	0.38	mg/Kg dry	1.87	ND	77.8		40-140			
N-Nitrosodi-n-propylamine	1.07	0.38	mg/Kg dry	1.87	ND	57.4		40-140			
Pentachloronitrobenzene	1.27	0.38	mg/Kg dry	1.87	ND	68.1		40-140			V-16
Pentachlorophenol	1.16	0.38	mg/Kg dry	1.87	ND	62.0		30-130			
Phenanthrene	1.25	0.19	mg/Kg dry	1.87	ND	66.8		40-140			
Phenol	1.11	0.38	mg/Kg dry	1.87	ND	59.5		30-130			
Pyrene	1.40	0.19	mg/Kg dry	1.87	ND	75.0		40-140			
Pyridine	0.752	0.38	mg/Kg dry	1.87	ND	40.3		40-140			
1,2,4,5-Tetrachlorobenzene	1.17	0.38	mg/Kg dry	1.87	ND	62.5		40-140			
1,2,4-Trichlorobenzene	1.17	0.38	mg/Kg dry	1.87	ND	62.9		40-140			
2,4,5-Trichlorophenol	1.15	0.38	mg/Kg dry	1.87	ND	61.5		30-130			
2,4,6-Trichlorophenol	1.23	0.38	mg/Kg dry	1.87	ND	65.9		30-130			
Surrogate: 2-Fluorophenol	*4.56*		mg/Kg dry	7.47		61.1		30-130			
Surrogate: Phenol-d6	*4.73*		mg/Kg dry	7.47		63.4		30-130			
Surrogate: Nitrobenzene-d5	*2.28*		mg/Kg dry	3.73		61.1		30-130			
Surrogate: 2-Fluorobiphenyl	*2.51*		mg/Kg dry	3.73		67.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*5.01*		mg/Kg dry	7.47		67.1		30-130			
Surrogate: p-Terphenyl-d14	*2.80*		mg/Kg dry	3.73		74.9		30-130			
Matrix Spike Dup (B195254-MSD1)	**Source: 18A0582-04**			Prepared: 01/22/18 Analyzed: 01/23/18							
Acenaphthene	1.21	0.19	mg/Kg dry	1.85	ND	65.4		40-140	1.43	30	
Acenaphthylene	1.15	0.19	mg/Kg dry	1.85	ND	62.3		40-140	1.15	30	
Aniline	0.697	0.38	mg/Kg dry	1.85	ND	**37.7**	*	40-140	9.03	30	MS-22
Anthracene	1.25	0.19	mg/Kg dry	1.85	ND	67.8		40-140	0.693	30	
Benzo(a)anthracene	1.24	0.19	mg/Kg dry	1.85	ND	67.3		40-140	0.123	30	
Benzo(a)pyrene	1.25	0.19	mg/Kg dry	1.85	ND	67.5		40-140	2.02	30	
Benzo(b)fluoranthene	1.20	0.19	mg/Kg dry	1.85	ND	65.0		40-140	0.588	30	
Benzo(g,h,i)perylene	1.32	0.19	mg/Kg dry	1.85	ND	71.4		40-140	4.63	30	
Benzo(k)fluoranthene	1.22	0.19	mg/Kg dry	1.85	ND	66.1		40-140	0.0153	30	
Bis(2-chloroethoxy)methane	1.29	0.38	mg/Kg dry	1.85	ND	69.9		40-140	4.15	30	
Bis(2-chloroethyl)ether	1.08	0.38	mg/Kg dry	1.85	ND	58.4		40-140	6.58	30	
Bis(2-chloroisopropyl)ether	1.14	0.38	mg/Kg dry	1.85	ND	61.8		40-140	0.988	30	
Bis(2-Ethylhexyl)phthalate	1.29	0.38	mg/Kg dry	1.85	ND	70.0		40-140	5.18	30	
4-Bromophenylphenylether	1.27	0.38	mg/Kg dry	1.85	ND	68.7		40-140	3.66	30	
Butylbenzylphthalate	1.27	0.38	mg/Kg dry	1.85	ND	68.9		40-140	3.25	30	
Carbazole	1.20	0.19	mg/Kg dry	1.85	ND	65.2		40-140	0.123	30	
4-Chloroaniline	0.693	0.73	mg/Kg dry	1.85	ND	**37.5**	*	40-140	3.31	30	L-04, MS-09, V-34
4-Chloro-3-methylphenol	1.22	0.73	mg/Kg dry	1.85	ND	66.2		30-130	2.49	30	
2-Chloronaphthalene	1.06	0.38	mg/Kg dry	1.85	ND	57.2		40-140	0.526	30	
2-Chlorophenol	1.10	0.38	mg/Kg dry	1.85	ND	59.6		30-130	6.41	30	

con-test® ANALYTICAL LABORATORY
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 B195254 - SW-846 3546											
Matrix Spike Dup (B195254-MSD1)	**Source: 18A0582-04**			Prepared: 01/22/18 Analyzed: 01/23/18							
4-Chlorophenylphenylether	1.22	0.38	mg/Kg dry	1.85	ND	65.9		40-140	0.910	30	
Chrysene	1.20	0.19	mg/Kg dry	1.85	ND	65.0		40-140	1.66	30	
Dibenz(a,h)anthracene	1.31	0.19	mg/Kg dry	1.85	ND	70.7		40-140	0.840	30	
Dibenzofuran	1.18	0.38	mg/Kg dry	1.85	ND	63.7		40-140	2.08	30	
Di-n-butylphthalate	1.22	0.38	mg/Kg dry	1.85	ND	65.8		40-140	1.35	30	
3,3-Dichlorobenzidine	1.02	0.19	mg/Kg dry	1.85	ND	55.4		40-140	0.944	30	V-34
2,4-Dichlorophenol	1.31	0.38	mg/Kg dry	1.85	ND	71.1		30-130	1.34	30	
Diethylphthalate	1.18	0.38	mg/Kg dry	1.85	ND	64.0		40-140	0.905	30	
2,4-Dimethylphenol	1.07	0.38	mg/Kg dry	1.85	ND	57.8		30-130	1.29	30	
Dimethylphthalate	1.21	0.38	mg/Kg dry	1.85	ND	65.3		40-140	1.75	30	
4,6-Dinitro-2-methylphenol	1.06	0.38	mg/Kg dry	1.85	ND	57.2		30-130	1.96	30	
2,4-Dinitrophenol	1.07	0.73	mg/Kg dry	1.85	ND	57.9		30-130	2.16	30	V-20
2,4-Dinitrotoluene	1.22	0.38	mg/Kg dry	1.85	ND	66.3		40-140	4.98	30	
2,6-Dinitrotoluene	1.33	0.38	mg/Kg dry	1.85	ND	71.9		40-140	1.04	30	
Di-n-octylphthalate	1.36	0.38	mg/Kg dry	1.85	ND	73.5		40-140	1.61	30	
Fluoranthene	1.25	0.19	mg/Kg dry	1.85	ND	67.7		40-140	0.841	30	
Fluorene	1.15	0.19	mg/Kg dry	1.85	ND	62.4		40-140	0.313	30	
Hexachlorobenzene	1.25	0.38	mg/Kg dry	1.85	ND	67.5		40-140	1.67	30	
Hexachlorobutadiene	1.24	0.38	mg/Kg dry	1.85	ND	67.1		40-140	1.09	30	
Hexachlorocyclopentadiene	0.775	0.38	mg/Kg dry	1.85	ND	41.9		40-140	3.40	30	
Hexachloroethane	1.03	0.38	mg/Kg dry	1.85	ND	55.5		40-140	0.844	30	
Indeno(1,2,3-cd)pyrene	1.29	0.19	mg/Kg dry	1.85	ND	69.8		40-140	3.29	30	
Isophorone	1.21	0.38	mg/Kg dry	1.85	ND	65.5		40-140	3.31	30	
2-Methylnaphthalene	1.33	0.19	mg/Kg dry	1.85	ND	71.9		40-140	1.52	30	
2-Methylphenol	1.07	0.38	mg/Kg dry	1.85	ND	57.8		30-130	0.537	30	
3/4-Methylphenol	1.09	0.38	mg/Kg dry	1.85	ND	59.1		30-130	1.76	30	
Naphthalene	1.13	0.19	mg/Kg dry	1.85	ND	61.1		40-140	1.09	30	
2-Nitroaniline	1.39	0.38	mg/Kg dry	1.85	ND	75.4		40-140	0.0241	30	
3-Nitroaniline	1.15	0.38	mg/Kg dry	1.85	ND	62.3		40-140	1.22	30	
4-Nitroaniline	1.19	0.38	mg/Kg dry	1.85	ND	64.5		40-140	0.178	30	
Nitrobenzene	1.13	0.38	mg/Kg dry	1.85	ND	61.0		40-140	5.10	30	
2-Nitrophenol	1.27	0.38	mg/Kg dry	1.85	ND	68.5		30-130	3.61	30	
4-Nitrophenol	1.12	0.73	mg/Kg dry	1.85	ND	60.4		30-130	6.06	30	
N-Nitrosodiphenylamine	1.46	0.38	mg/Kg dry	1.85	ND	79.1		40-140	0.669	30	
N-Nitrosodi-n-propylamine	1.04	0.38	mg/Kg dry	1.85	ND	56.5		40-140	2.50	30	
Pentachloronitrobenzene	1.28	0.38	mg/Kg dry	1.85	ND	69.4		40-140	1.02	30	V-16
Pentachlorophenol	1.17	0.38	mg/Kg dry	1.85	ND	63.4		30-130	1.34	30	
Phenanthrene	1.24	0.19	mg/Kg dry	1.85	ND	66.9		40-140	0.749	30	
Phenol	1.03	0.38	mg/Kg dry	1.85	ND	55.8		30-130	7.34	30	
Pyrene	1.37	0.19	mg/Kg dry	1.85	ND	74.2		40-140	2.09	30	
Pyridine	0.702	0.38	mg/Kg dry	1.85	ND	**38.0**	*	40-140	6.86	30	MS-22
1,2,4,5-Tetrachlorobenzene	1.19	0.38	mg/Kg dry	1.85	ND	64.3		40-140	1.79	30	
1,2,4-Trichlorobenzene	1.17	0.38	mg/Kg dry	1.85	ND	63.1		40-140	0.766	30	
2,4,5-Trichlorophenol	1.18	0.38	mg/Kg dry	1.85	ND	63.6		30-130	2.37	30	
2,4,6-Trichlorophenol	1.20	0.38	mg/Kg dry	1.85	ND	65.1		30-130	2.12	30	
Surrogate: 2-Fluorophenol	*4.46*		mg/Kg dry	7.39		60.3		30-130			
Surrogate: Phenol-d6	*4.38*		mg/Kg dry	7.39		59.2		30-130			
Surrogate: Nitrobenzene-d5	*2.38*		mg/Kg dry	3.70		64.3		30-130			
Surrogate: 2-Fluorobiphenyl	*2.51*		mg/Kg dry	3.70		67.9		30-130			
Surrogate: 2,4,6-Tribromophenol	*5.07*		mg/Kg dry	7.39		68.5		30-130			
Surrogate: p-Terphenyl-d14	*2.71*		mg/Kg dry	3.70		73.4		30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195263 - SW-846 3540C										
Blank (B195263-BLK1)				Prepared: 01/22/18 Analyzed: 01/25/18						
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	*0.168*		mg/Kg wet	0.200		84.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.181*		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg wet	0.200		92.7	30-150			
LCS (B195263-BS1)				Prepared: 01/22/18 Analyzed: 01/25/18						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.0	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.7	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		96.2	40-140			
Surrogate: Decachlorobiphenyl	*0.171*		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		91.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.194*		mg/Kg wet	0.200		96.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg wet	0.200		99.8	30-150			
LCS Dup (B195263-BSD1)				Prepared: 01/22/18 Analyzed: 01/25/18						
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		107	40-140	4.59	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		100	40-140	2.36	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		99.9	40-140	3.34	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		98.0	40-140	1.85	30	
Surrogate: Decachlorobiphenyl	*0.178*		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.189*		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.211*		mg/Kg wet	0.200		105	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195263 - SW-846 3540C										
Matrix Spike (B195263-MS1)	**Source: 18A0582-01**			Prepared: 01/22/18 Analyzed: 01/25/18						
Aroclor-1016	0.23	0.098	mg/Kg dry	0.245	ND	95.1	40-140			
Aroclor-1016 [2C]	0.24	0.098	mg/Kg dry	0.245	ND	98.1	40-140			
Aroclor-1260	0.67	0.098	mg/Kg dry	0.245	0.56	45.8	40-140			
Aroclor-1260 [2C]	0.70	0.098	mg/Kg dry	0.245	0.60	40.4	40-140			
Surrogate: Decachlorobiphenyl	*0.168*		mg/Kg dry	0.245		68.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg dry	0.245		72.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.201*		mg/Kg dry	0.245		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg dry	0.245		85.7	30-150			
Matrix Spike Dup (B195263-MSD1)	**Source: 18A0582-01**			Prepared: 01/22/18 Analyzed: 01/25/18						
Aroclor-1016	0.27	0.099	mg/Kg dry	0.247	ND	109	40-140	14.7	50	
Aroclor-1016 [2C]	0.28	0.099	mg/Kg dry	0.247	ND	113	40-140	15.0	50	
Aroclor-1260	0.72	0.099	mg/Kg dry	0.247	0.56	64.2	40-140	6.71	50	
Aroclor-1260 [2C]	0.74	0.099	mg/Kg dry	0.247	0.60	58.5	40-140	6.33	50	
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg dry	0.247		79.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg dry	0.247		85.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.235*		mg/Kg dry	0.247		95.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.244*		mg/Kg dry	0.247		98.6	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195253 - SW-846 3546											
Blank (B195253-BLK1)				Prepared: 01/22/18 Analyzed: 01/23/18							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*3.28*		mg/Kg wet	3.33		98.5		50-150			
LCS (B195253-BS1)				Prepared: 01/22/18 Analyzed: 01/23/18							
CT ETPH	28.7	10	mg/Kg wet	33.3		86.2		60-120			
Surrogate: o-Terphenyl	*3.10*		mg/Kg wet	3.33		92.9		50-150			
LCS Dup (B195253-BSD1)				Prepared: 01/22/18 Analyzed: 01/23/18							
CT ETPH	30.7	10	mg/Kg wet	33.3		92.0		60-120	6.51	30	
Surrogate: o-Terphenyl	*3.22*		mg/Kg wet	3.33		96.7		50-150			
Matrix Spike (B195253-MS1)	**Source: 18A0582-01**			Prepared: 01/22/18 Analyzed: 01/23/18							
CT ETPH	241	120	mg/Kg dry	41.5	175	**157**	*	50-150			MS-19
Surrogate: o-Terphenyl	*3.46*		mg/Kg dry	4.15		83.5		50-150			
Matrix Spike Dup (B195253-MSD1)	**Source: 18A0582-01**			Prepared: 01/22/18 Analyzed: 01/23/18							
CT ETPH	178	120	mg/Kg dry	41.0	175	**6.23**	*	50-150	29.9	30	MS-19
Surrogate: o-Terphenyl	*2.58*		mg/Kg dry	4.10		62.8		50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195242 - SW-846 3050B											
Blank (B195242-BLK1)				Prepared: 01/05/18 Analyzed: 01/24/18							
Antimony	ND	1.7	mg/Kg wet								
Arsenic	ND	1.7	mg/Kg wet								
Barium	ND	1.7	mg/Kg wet								
Beryllium	ND	0.17	mg/Kg wet								
Cadmium	ND	0.17	mg/Kg wet								
Chromium	ND	0.33	mg/Kg wet								
Copper	ND	0.33	mg/Kg wet								
Lead	ND	0.50	mg/Kg wet								
Nickel	ND	0.33	mg/Kg wet								
Selenium	ND	3.3	mg/Kg wet								
Silver	ND	0.33	mg/Kg wet								
Thallium	ND	1.7	mg/Kg wet								
Vanadium	ND	0.67	mg/Kg wet								
Zinc	ND	0.67	mg/Kg wet								
LCS (B195242-BS1)				Prepared: 01/22/18 Analyzed: 01/24/18							
Antimony	48.0	5.0	mg/Kg wet	65.1		73.7		3.8-212			
Arsenic	152	5.0	mg/Kg wet	147		104		83-117			
Barium	332	5.0	mg/Kg wet	314		106		82.2-117.8			
Beryllium	63.2	0.50	mg/Kg wet	53.4		**118**	*	82.8-117.2			L-07
Cadmium	201	0.50	mg/Kg wet	193		104		82.4-117.6			
Chromium	86.8	1.0	mg/Kg wet	82.6		105		81.8-118.2			
Copper	196	1.0	mg/Kg wet	171		115		83.6-116.4			
Lead	94.3	1.5	mg/Kg wet	92.3		102		82.8-117			
Nickel	145	1.0	mg/Kg wet	137		106		82.5-118.2			
Selenium	194	10	mg/Kg wet	187		104		79.1-121.4			
Silver	43.6	1.0	mg/Kg wet	40.7		107		79.6-120.4			
Thallium	156	5.0	mg/Kg wet	153		102		81-119			
Vanadium	88.5	2.0	mg/Kg wet	86.6		102		77.6-122.4			
Zinc	197	2.0	mg/Kg wet	189		104		79.9-120.1			
LCS Dup (B195242-BSD1)				Prepared: 01/22/18 Analyzed: 01/24/18							
Antimony	49.6	4.9	mg/Kg wet	65.1		76.2		3.8-212	3.32	30	
Arsenic	153	4.9	mg/Kg wet	147		104		83-117	0.479	30	
Barium	323	4.9	mg/Kg wet	314		103		82.2-117.8	2.70	30	
Beryllium	61.4	0.49	mg/Kg wet	53.4		115		82.8-117.2	2.83	30	
Cadmium	197	0.49	mg/Kg wet	193		102		82.4-117.6	2.09	30	
Chromium	85.0	0.98	mg/Kg wet	82.6		103		81.8-118.2	2.01	30	
Copper	192	0.98	mg/Kg wet	171		112		83.6-116.4	2.28	30	
Lead	95.1	1.5	mg/Kg wet	92.3		103		82.8-117	0.856	30	
Nickel	141	0.98	mg/Kg wet	137		103		82.5-118.2	2.90	30	
Selenium	194	9.8	mg/Kg wet	187		104		79.1-121.4	0.139	30	
Silver	43.2	0.98	mg/Kg wet	40.7		106		79.6-120.4	0.897	30	
Thallium	157	4.9	mg/Kg wet	153		103		81-119	0.975	30	
Vanadium	86.5	2.0	mg/Kg wet	86.6		99.8		77.6-122.4	2.35	30	
Zinc	192	2.0	mg/Kg wet	189		102		79.9-120.1	2.48	30	

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195242 - SW-846 3050B											
Duplicate (B195242-DUP1)	**Source: 18A0582-01**			Prepared: 01/05/18 Analyzed: 01/24/18							
Antimony	2.11	2.1	mg/Kg dry		ND				NC	35	
Arsenic	ND	2.1	mg/Kg dry		ND				NC	35	
Barium	42.6	2.1	mg/Kg dry		42.0				1.39	35	
Beryllium	ND	0.21	mg/Kg dry		ND				NC	35	
Cadmium	ND	0.21	mg/Kg dry		ND				NC	35	
Chromium	14.8	0.42	mg/Kg dry		13.4				9.96	35	
Copper	19.4	0.42	mg/Kg dry		16.5				16.5	35	
Lead	17.8	0.63	mg/Kg dry		21.9				20.6	35	
Nickel	12.5	0.42	mg/Kg dry		9.41				27.9	35	
Selenium	ND	4.2	mg/Kg dry		ND				NC	35	
Silver	ND	0.42	mg/Kg dry		ND				NC	35	
Thallium	ND	2.1	mg/Kg dry		ND				NC	35	
Vanadium	27.1	0.83	mg/Kg dry		23.4				14.5	35	
Zinc	45.2	0.83	mg/Kg dry		36.0				22.6	35	
MRL Check (B195242-MRL1)				Prepared: 01/05/18 Analyzed: 01/24/18							
Lead	0.419	0.50	mg/Kg wet	0.501		83.7		80-120			
Matrix Spike (B195242-MS1)	**Source: 18A0582-01**			Prepared: 01/05/18 Analyzed: 01/24/18							
Antimony	8.49	2.0	mg/Kg dry	20.4	1.59	**33.8**	*	75-125			MS-07
Arsenic	18.6	2.0	mg/Kg dry	20.4	ND	90.8		75-125			
Barium	54.9	2.0	mg/Kg dry	20.4	42.0	**63.2**	*	75-125			MS-07
Beryllium	22.3	0.20	mg/Kg dry	20.4	ND	109		75-125			
Cadmium	20.4	0.20	mg/Kg dry	20.4	0.185	99.1		75-125			
Chromium	35.3	0.41	mg/Kg dry	20.4	13.4	107		75-125			
Copper	57.5	0.41	mg/Kg dry	40.9	16.5	100		75-125			
Lead	44.6	0.61	mg/Kg dry	20.4	21.9	111		75-125			
Nickel	29.2	0.41	mg/Kg dry	20.4	9.41	96.6		75-125			
Selenium	18.2	4.1	mg/Kg dry	20.4	ND	89.1		75-125			
Silver	19.2	0.41	mg/Kg dry	20.4	ND	94.1		75-125			
Thallium	14.2	2.0	mg/Kg dry	20.4	ND	**69.5**	*	75-125			MS-07
Vanadium	40.5	0.82	mg/Kg dry	20.4	23.4	83.5		75-125			
Zinc	75.1	0.82	mg/Kg dry	40.9	36.0	95.7		75-125			
Batch B195243 - SW-846 7471											
Blank (B195243-BLK1)				Prepared & Analyzed: 01/23/18							
Mercury	ND	0.025	mg/Kg wet								
LCS (B195243-BS1)				Prepared & Analyzed: 01/23/18							
Mercury	10.1	2.0	mg/Kg wet	9.36		108		73.7-126.3			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195243 - SW-846 7471										
LCS Dup (B195243-BSD1)				Prepared & Analyzed: 01/23/18						
Mercury	11.5	2.0	mg/Kg wet	9.36		123	73.7-126.3	12.6	30	
Duplicate (B195243-DUP1)		**Source: 18A0582-01**		Prepared & Analyzed: 01/23/18						
Mercury	ND	0.032	mg/Kg dry		ND			NC	35	
Matrix Spike (B195243-MS1)		**Source: 18A0582-01**		Prepared & Analyzed: 01/23/18						
Mercury	0.216	0.032	mg/Kg dry	0.211	0.0165	94.7	75-125			

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195186 - % Solids										
Duplicate (B195186-DUP4)	**Source: 18A0582-01**			Prepared: 01/19/18 Analyzed: 01/22/18						
% Solids	79.4		% Wt		79.4			0.0609	20	
Duplicate (B195186-DUP5)	**Source: 18A0582-29**			Prepared: 01/19/18 Analyzed: 01/22/18						
% Solids	89.1		% Wt		87.8			1.41	20	

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

B-204A (0-0.5)

Lab Sample ID: 18A0582-01 Date(s) Analyzed: 01/25/2018 01/25/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.56	
	2	0.000	-0.030	0.030	0.60	6.9

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

B-204B (3-4)

Lab Sample ID: 18A0582-02 Date(s) Analyzed: 01/25/2018 01/25/2018

Instrument ID (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	0.45	
	2	0.000	-0.030	0.030	0.50	10.5
Aroclor-1260	1	0.000	-0.030	0.030	1.3	
	2	0.000	-0.030	0.030	1.4	7.4

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

B-203A (0-0.5)

Lab Sample ID: 18A0582-06 Date(s) Analyzed: 01/25/2018 01/25/2018

Instrument ID (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	0.26	
	2	0.000	-0.030	0.030	0.28	7.4
Aroclor-1260	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.1	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

B-203B (3-4)

Lab Sample ID: 18A0582-07 Date(s) Analyzed: 01/25/2018 01/25/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.2	0.0
Aroclor-1260	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.7	11.8

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

B-203C (7-8)

Lab Sample ID: 18A0582-08 Date(s) Analyzed: 01/25/2018 01/25/2018

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

GC Column (1): ID: (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	0.39	2.6

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

B-202A (0-0.5)

Lab Sample ID: 18A0582-09 Date(s) Analyzed: 01/25/2018 01/25/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.80	
	2	0.000	-0.030	0.030	0.90	11.8
Aroclor-1260	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.6	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

B-202B (3-4)

Lab Sample ID: 18A0582-10 Date(s) Analyzed: 01/25/2018 01/25/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.5	0.0
Aroclor-1260	1	0.000	-0.030	0.030	3.7	
	2	0.000	-0.030	0.030	4.0	7.8

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

B-202C (7-8)

Lab Sample ID: 18A0582-11 Date(s) Analyzed: 01/25/2018 01/25/2018

Instrument ID (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	2.1	
	2	0.000	-0.030	0.030	2.1	0.0
Aroclor-1260	1	0.000	-0.030	0.030	4.5	
	2	0.000	-0.030	0.030	5.0	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

B-201A (0-0.5)

Lab Sample ID: 18A0582-12 Date(s) Analyzed: 01/25/2018 01/25/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.5	8.3

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

B-201B (3-4)

Lab Sample ID: 18A0582-13 Date(s) Analyzed: 01/25/2018 01/25/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.16	13.3

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-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.
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-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot 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.
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-25	Surrogate recovery is outside of control limits due to suspected matrix interference. Samples of a clay-like matrix historically have exhibited low surrogate recovery.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.
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.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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 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

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	
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

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	
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
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

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	
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

con-test® ANALYTICAL LABORATORY
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	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

18A0582

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name: Weston & Sampson
Address: 273 Dividend Road, Rocky Hill, CT 06067
Phone: 1-800 SAMPSON
Project Name: Berlin Settling Basin
Project Location: 107 Selden Street, Berlin CT
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Stnd 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pagliuca@wseinc.com
CLP Like Data Pkg 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	Matrix Code	Conc Code	PCBs	SVOCs	ETPH	RSR 15 Metals	VOCs										
01	B-204A (0-2.5)	1/11/18	0850		X	S	U	X	X	X	X	X										
02	B-204B (3-4)		0902					X														
03	B-204C (7-8)		0854					X														
04	B-204D (10-12)		0856					X	X	X	X	X										
05	B-204E (13-14)		0858					X			X											
06	B-203A (0-2.5)		0930					X														
07	B-203B (3-4)		0932					X														
08	B-203C (7-8)		0934					X														
09	B-202A (0-2.5)		1036					X														
10	B-202B (3-4)	↓	1052		↓	↓	↓	X														

Comments:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed.

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

	# of Containers	Preservation Code	Container Code
	1	I	A
	1	I	A
	1	I	A
	1	I	A
	3	I,M	V

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) DI H2O

[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:
	1/14/18
Received by: (signature)	Date/Time:
	1/16/18 1:40
Relinquished by: (signature)	Date/Time:
	1/18/18 17:20
Received by: (signature)	Date/Time:
4.9.5.1	1/18/18 1720
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GW1 GA PMC
RES DEC ICP DEC
Other

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

1/18/18 1720
con-test ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

Table of Contents

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

1804582

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson
Address:	373 Dividend Rd Rocky Hill CT 06067
Phone:	1-800-SAMPSON
Project Name:	Berlin Settlers Basin
Project Location:	107 Settlers St Berlin CT
Project Number:	
Project Manager:	Malcolm Beever
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beever
Sampled By:	Gianella Paliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5 -day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pagliuca@wsuinc.com
CLP Like Data Pkg Required: ☐
Email To: beevm@wsuinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	RCP	VOC's	CT ETPH	EPH	Lead
11	B-202C (7-8)	1/15/18	1034		X	S	U	X				
12	B-201A (0-0.5)		1056					X				
13	B-201B (3-4)		1055					X				
14	B-201C (7-8)		1100					X				
15	B-196A (0-0.5)		1150						X	X	X	
16	B-196B (9-11)		1152						X	X	X	X
17	B-196C (13-14)		1154								X	
18	B-197A (0-0.5)		1322						X	X	X	
19	B-197B (10-12)		1324						X	X	X	X
20	B-197C (13-14)	↓	1326		↓	↓	↓				X	

ANALYSIS REQUESTED

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

1		1	1	3														
2		I	I	4oz														
3		A	A	V														

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

Comments:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed.

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

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

[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)
DF #2

[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:	1/15/18
Received by: (signature)		Date/Time:	16:30
Relinquished by: (signature)		Date/Time:	17:20
Received by: (signature)	4.9, 8.1°C	Date/Time:	1/18/18 1720
Relinquished by: (signature)		Date/Time:	
Received by: (signature)		Date/Time:	

Detection Limit Requirements
MA
CT RCP
GA MMC
RES DEC I/C DEC
Other

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

1/18/18 1720
con-test ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

1EAC582

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

Company Name: Weston & Sampson
Address: 273 Diamond Rd, Rocky Hill CT, 06067
Phone: 1-800-SIMPSON
Project Name: Berlin Station Basin
Project Location: 107 Selden St Berlin, CT
Project Number:
Project Manager: Malcolm Beaver
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beaver
Sampled By: Cornelia Holmes

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Stnd 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pdf line@wsinc.com
CLP Like Data Pkg Required: ☐
Email To: beclerin@wsinc.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	SVOCs	CT ETPH	25K is Matrix	VOCs									
21	B-195A (0-0.5)	1/11/18	1356		X	S	U	X	X	X										
22	B-195B (10-12)		1358					X	X	X	X									
23	B-195C (13-14)		1400							X										
24	B-193A (0-0.5)		1440					X	X	X										
25	B-193B (10-12)		1442					X	X	X	X									
26	B-193C (13-14)		1444							X										
27	B-192A (0-0.5)		1514					X	X	X										
28	B-192B (10-12)		1516					X	X	X	X									
29	B-192C (13-14)		1518							X										

# of Containers: 1 1 1 3
[2] Preservation Code: I I I ICE
[3] Container Code: A A A V

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

[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:
Additional soil has been submitted for possible reactivation to Onsite/22 for SPLP after results have been received.

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: 1/12/18
Received by: (signature)		Date/Time: 1/12/18 16:30
Relinquished by: (signature)		Date/Time: 1/18/18 17:20
Received by: (signature)	4.4.5.1.2	Date/Time: 1/18/18 1720
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA:
CT: GW PMC
RES DEC IIC DEC
Other:

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

1/18/18 1720
con-test ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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: 1/18/18 Time: 1720

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

Were samples within Temperature? 2-6°C: T By Gun #: 571 Actual Temp - 4.9, 5.1 °C By Blank #: Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T Project: T ID's: T Collection Dates/Times: T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

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

Were trip blanks received? T On COC? F

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	41
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-	12	Other Plastic		Other Glass		Encore	6
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 1/18/18 1720	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

D:\HPCHEM\1\DATA\A012318.SEC\A0123085.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/23/18
Data File Name	A0123085.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	739655	782379	-5
c - 10	1.61	761051	782379	-3
c - 12	2.33	777992	782379	-1
c - 14	2.99	794869	782379	2
c - 16	3.59	812807	782379	4
c - 18	4.19	817666	782379	5
o-Terphenyl	4.48	902766	782379	
c - 20	4.80	822803	782379	5
c - 22	5.30	828174	782379	6
c - 24	5.74	823663	782379	5
c - 26	6.13	818155	782379	5
c - 28	6.49	817239	782379	4
c - 30	6.82	811410	782379	4
c - 32	7.13	752136	782379	-4
c - 34	7.42	697796	782379	-11
c - 36	7.73	660273	782379	-16

* One compound allowed %D </= 50%

Samples
18A0673-17
18A0673-10
18A0673-09@10X
18A0673-07@20X

D:\HPCHEM\1\DATA\A012318.SEC\A0123031.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 1/23/18
Data File Name A0123031.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	675001	673254	0
c - 10	1.61	690111	673254	3
c - 12	2.33	695204	673254	3
c - 14	2.99	697455	673254	4
c - 16	3.59	697661	673254	4
c - 18	4.19	691164	673254	3
o-Terphenyl	4.48	764914	673254	
c - 20	4.80	693308	673254	3
c - 22	5.30	695657	673254	3
c - 24	5.74	691837	673254	3
c - 26	6.13	689359	673254	2
c - 28	6.49	690720	673254	3
c - 30	6.82	687988	673254	2
c - 32	7.13	642258	673254	-5
c - 34	7.42	598465	673254	-11
c - 36	7.73	562616	673254	-16

* One compound allowed %D </= 50%

Samples
18A0582-25
18A0582-28
18A0506-10
18A0554-07
18A0554-18

D:\HPCHEM\1\DATA\A012318\A0123020.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 1/23/18
Data File Name A0123020.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	587523	626401	-6
c - 10	1.61	605131	626401	-3
c - 12	2.34	623779	626401	0
c - 14	3.01	640149	626401	2
c - 16	3.62	654509	626401	4
c - 18	4.23	659138	626401	5
o-Terphenyl	4.52	726868	626401	
c - 20	4.84	663916	626401	6
c - 22	5.35	664148	626401	6
c - 24	5.79	658412	626401	5
c - 26	6.18	652805	626401	4
c - 28	6.54	651329	626401	4
c - 30	6.88	647269	626401	3
c - 32	7.19	602169	626401	-4
c - 34	7.49	560112	626401	-11
c - 36	7.81	525625	626401	-16

* One compound allowed %D </= 50%

Samples
18A0582-19
18A0582-22

D:\HPCHEM\1\DATA\A012318\A0123030.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/23/18
Data File Name	A0123030.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	511893	530658	-4
c - 10	1.61	524815	530658	-1
c - 12	2.34	534749	530658	1
c - 14	3.01	544844	530658	3
c - 16	3.62	554509	530658	4
c - 18	4.23	554594	530658	5
o-Terphenyl	4.52	611246	530658	
c - 20	4.84	555960	530658	5
c - 22	5.35	554400	530658	4
c - 24	5.79	549341	530658	4
c - 26	6.18	546353	530658	3
c - 28	6.54	547892	530658	3
c - 30	6.88	547065	530658	3
c - 32	7.19	510693	530658	-4
c - 34	7.48	476683	530658	-10
c - 36	7.81	446075	530658	-16

* One compound allowed %D </= 50%

Samples
18A0552-21
18A0503-01
18A0506-04
18A0582-01@10X
18A0582-18@10X
18A0582-24@10X

D:\HPCHEM\1\DATA\A012318\A0123084.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 1/23/18
Data File Name A0123084.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	532922	554876	-4
c - 10	1.61	548595	554876	-1
c - 12	2.34	559975	554876	1
c - 14	3.01	569895	554876	3
c - 16	3.62	580322	554876	5
c - 18	4.23	581748	554876	5
o-Terphenyl	4.52	640397	554876	
c - 20	4.84	583481	554876	5
c - 22	5.35	583059	554876	5
c - 24	5.79	576537	554876	4
c - 26	6.18	571187	554876	3
c - 28	6.54	570504	554876	3
c - 30	6.88	568146	554876	2
c - 32	7.19	530244	554876	-4
c - 34	7.48	495103	554876	-11
c - 36	7.81	471416	554876	-15

* One compound allowed %D </= 50%

Samples
18A0673-08
18A0673-14
18A0673-16
18A0673-19
18A0673-18@10X
18A0673-11@10X

D:\HPCHEM\1\DATA\A012518.SEC\A0125007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/25/18
Data File Name	A0125007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	623035	641159	-3
c - 10	1.61	633149	641159	-1
c - 12	2.33	642092	641159	0
c - 14	3.00	656198	641159	2
c - 16	3.59	668500	641159	4
c - 18	4.19	670603	641159	5
o-Terphenyl	4.48	743692	641159	
c - 20	4.80	680626	641159	6
c - 22	5.31	680329	641159	6
c - 24	5.74	673237	641159	5
c - 26	6.13	670601	641159	5
c - 28	6.49	662841	641159	3
c - 30	6.82	653163	641159	2
c - 32	7.14	607623	641159	-5
c - 34	7.43	559105	641159	-13
c - 36	7.73	536277	641159	-16

* One compound allowed %D </= 50%

Samples
18A0655-34
18A0655-32
18A0655-26
18A0652-01@100X
18A0652-04@250X

D:\HPCHEM\1\DATA\A012518\A0125006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/25/18
Data File Name	A0125006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	486133	503731	-3
c - 10	1.61	496435	503731	-1
c - 12	2.34	505805	503731	0
c - 14	3.01	514766	503731	2
c - 16	3.62	524358	503731	4
c - 18	4.23	525957	503731	4
o-Terphenyl	4.52	575803	503731	
c - 20	4.84	527355	503731	5
c - 22	5.35	528457	503731	5
c - 24	5.79	522300	503731	4
c - 26	6.18	519320	503731	3
c - 28	6.54	519960	503731	3
c - 30	6.88	518260	503731	3
c - 32	7.19	484341	503731	-4
c - 34	7.48	453217	503731	-10
c - 36	7.81	429306	503731	-15

* One compound allowed %D </= 50%

Samples
18A0652-02@250X
18A0655-25@5X

D:\HPCHEM\1\DATA\A012418\A0124018.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124018.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	473716	492520	-4
c - 10	1.61	483594	492520	-2
c - 12	2.34	491609	492520	0
c - 14	3.01	500621	492520	2
c - 16	3.62	510785	492520	4
c - 18	4.23	514923	492520	5
o-Terphenyl	4.52	566390	492520	
c - 20	4.84	519117	492520	5
c - 22	5.35	521606	492520	6
c - 24	5.79	516514	492520	5
c - 26	6.18	511044	492520	4
c - 28	6.54	509782	492520	4
c - 30	6.88	507361	492520	3
c - 32	7.19	472532	492520	-4
c - 34	7.48	440291	492520	-11
c - 36	7.81	414308	492520	-16

* One compound allowed %D </= 50%

Samples
18A0652-03
18A0655-04
18A0655-12
18A0506-05@20X
18A0506-07@10X
18A0655-13@5X

D:\HPCHEM\1\DATA\A012418\A0124070.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124070.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	503436	522133	-4
c - 10	1.61	516895	522133	-1
c - 12	2.34	525915	522133	1
c - 14	3.01	535271	522133	3
c - 16	3.62	544425	522133	4
c - 18	4.23	547669	522133	5
o-Terphenyl	4.52	597386	522133	
c - 20	4.84	547217	522133	5
c - 22	5.35	545799	522133	5
c - 24	5.79	540488	522133	4
c - 26	6.18	536228	522133	3
c - 28	6.54	536980	522133	3
c - 30	6.88	536003	522133	3
c - 32	7.19	501106	522133	-4
c - 34	7.48	467505	522133	-10
c - 36	7.81	447057	522133	-14

* One compound allowed %D </= 50%

Samples
18A0655-19
18A0655-36
18A0655-28

D:\HPCHEM\1\DATA\A012418.SEC\A0124071.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124071.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	622719	643589	-3
c - 10	1.61	639149	643589	-1
c - 12	2.33	649677	643589	1
c - 14	2.99	659734	643589	3
c - 16	3.59	669274	643589	4
c - 18	4.19	671708	643589	4
o-Terphenyl	4.48	741334	643589	
c - 20	4.80	676540	643589	5
c - 22	5.30	676462	643589	5
c - 24	5.74	673424	643589	5
c - 26	6.13	668639	643589	4
c - 28	6.49	665404	643589	3
c - 30	6.82	660639	643589	3
c - 32	7.13	613360	643589	-5
c - 34	7.42	567571	643589	-12
c - 36	7.73	539534	643589	-16

* One compound allowed %D </= 50%

Samples
18A0554-27

D:\HPCHEM\1\DATA\A012418.SEC\A0124019.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124019.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	602681	627275	-4
c - 10	1.61	615537	627275	-2
c - 12	2.33	624447	627275	0
c - 14	3.00	635686	627275	1
c - 16	3.59	647761	627275	3
c - 18	4.19	652301	627275	4
o-Terphenyl	4.48	725363	627275	
c - 20	4.80	658332	627275	5
c - 22	5.30	662575	627275	6
c - 24	5.74	659139	627275	5
c - 26	6.13	655191	627275	4
c - 28	6.49	654877	627275	4
c - 30	6.82	649949	627275	4
c - 32	7.13	603305	627275	-4
c - 34	7.42	559959	627275	-11
c - 36	7.73	527388	627275	-16

* One compound allowed %D </= 50%

Samples
18A0655-02
18A0655-06
18A0655-17
18A0655-14
18A0655-01
18A0582-16
18A0506-02
18A0582-04
18A0582-15
18A0582-27
18A0554-04

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Berlin, CT

Project Number: 18A0582

Laboratory Sample ID(s):

18A0582-01 thru 18A0582-29

Sample Date(s):

01/18/2018

List RCP Methods Used:

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

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

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

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

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

Printed Name: Lisa A. Worthington **Date:** 01/26/18

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

January 31, 2018

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

Project Location: 107 Selden St., Berlin, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18A0655

Enclosed are results of analyses for samples received by the laboratory on January 22, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary 6
Case Narrative 10
Sample Results 17
18A0655-01 17
18A0655-02 22
18A0655-03 29
18A0655-04 31
18A0655-05 37
18A0655-06 39
18A0655-07 47
18A0655-08 49
18A0655-09 51
18A0655-10 53
18A0655-11 55
18A0655-12 57
18A0655-13 65
18A0655-14 68
18A0655-15 74
18A0655-16 76
18A0655-17 78
18A0655-18 86
18A0655-19 88
18A0655-20 94
18A0655-21 96
18A0655-22 98

Table of Contents (continued)

18A0655-23 100
18A0655-24 102
18A0655-25 104
18A0655-26 111
18A0655-27 118
18A0655-28 120
18A0655-29 126
18A0655-30 128
18A0655-31 130
18A0655-32 132
18A0655-33 140
18A0655-34 142
18A0655-35 148
18A0655-36 150
18A0655-37 156
18A0655-38 158
18A0655-39 160
18A0655-40 168
18A0655-41 169
18A0655-42 171
Sample Preparation Information 172
QC Data 177
Volatile Organic Compounds by GC/MS 177
B195318 177
B195379 180

Table of Contents (continued)

Semivolatile Organic Compounds by GC/MS 186
B195346 186
B195626 195
B195629 197
Polychlorinated Biphenyls By GC/ECD 202
B195342 202
Polychlorinated Biphenyls with 3540 Soxhlet Extraction 203
B195410 203
B195477 204
Petroleum Hydrocarbons Analyses 206
B195343 206
B195345 206
B195592 207
Metals Analyses (Total) 208
B195349 208
B195354 208
B195356 211
B195373 212
B195446 212
B195447 215
B195637 215
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) 217
B195355 217
Dual Column RPD Report 218
Flag/Qualifier Summary 227

Table of Contents (continued)

Certifications 229

Chain of Custody/Sample Receipt 238

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: 1/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18A0655

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

PROJECT LOCATION: 107 Selden St., Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-191A (0-0.5)	18A0655-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8270D	
B-191B (10-12)	18A0655-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
B-191C (13-14)	18A0655-03	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
B-200A (0-0.5)	18A0655-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
B-200B (3-4)	18A0655-05	Soil		SM 2540G	
				SW-846 8082A	
B-200C (5-7)	18A0655-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-200D (7-8)	18A0655-07	Soil		SM 2540G	
				SW-846 8082A	
B-200E (13-14)	18A0655-08	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
B-199A (0-0.5)	18A0655-09	Soil		SM 2540G	
				SW-846 8082A	
B-199B (3-4)	18A0655-10	Soil		SM 2540G	
				SW-846 8082A	
B-188D (10-11)	18A0655-11	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	

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: 1/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18A0655

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

PROJECT LOCATION: 107 Selden St., Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-188E (13-15)	18A0655-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-188F (12-13)	18A0655-13	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
B-189A (0-0.5)	18A0655-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
B-189B (3-4)	18A0655-15	Soil		SM 2540G	
				SW-846 8082A	
B-189C (7-8)	18A0655-16	Soil		SM 2540G	
				SW-846 8082A	
B-189D (10-12)	18A0655-17	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
B-189E (13-14)	18A0655-18	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
B-190A (0-0.5)	18A0655-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
B-190B (3-4)	18A0655-20	Soil		SM 2540G	
				SW-846 8082A	
B-199C (7-8)	18A0655-21	Soil		SM 2540G	
				SW-846 8082A	

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: 1/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18A0655

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

PROJECT LOCATION: 107 Selden St., Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-198A (0-0.5)	18A0655-22	Soil		SM 2540G	
				SW-846 8082A	
B-198B (3-4)	18A0655-23	Soil		SM 2540G	
				SW-846 8082A	
B-198C (7-8)	18A0655-24	Soil		SM 2540G	
				SW-846 8082A	
B-194A (0-0.5)	18A0655-25	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8270D	
B-194B (10-12)	18A0655-26	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
B-194C (13-14)	18A0655-27	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
B-188A (0-0.5)	18A0655-28	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
B-188B (3-4)	18A0655-29	Soil		SM 2540G	
				SW-846 8082A	
B-188C (7-8)	18A0655-30	Soil		SM 2540G	
				SW-846 8082A	
B-190C (7-8)	18A0655-31	Soil		SM 2540G	
				SW-846 8082A	
B-190D (10-12)	18A0655-32	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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

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

REPORT DATE: 1/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18A0655

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

PROJECT LOCATION: 107 Selden St., Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-190E (13-14)	18A0655-33	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
DUP-3	18A0655-34	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
				SW-846 8270D	
DUP-4	18A0655-35	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
DUP-5	18A0655-36	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
DUP-6	18A0655-37	Soil		SM 2540G	
				SW-846 8082A	
DUP-7	18A0655-38	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
EB-011918	18A0655-39	Equipment Blank Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
EB-011818	18A0655-40	Equipment Blank Water		SW-846 6020A-B	
				SW-846 7470A	
TB-011918	18A0655-41	Trip Blank Water		SW-846 8260C	
Decon Water	18A0655-42	Equipment Blank Water		SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

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

CTDEP ETPH

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

CT ETPH

18A0655-01[B-191A (0-0.5)], 18A0655-28[B-188A (0-0.5)], B195345-MS1, B195345-MS2, B195345-MSD1, B195345-MSD2

S-25

Surrogate recovery is outside of control limits due to suspected matrix interference. Samples of a clay-like matrix historically have exhibited low surrogate recovery.

Analyte & Samples(s) Qualified:

o-Terphenyl

18A0655-28[B-188A (0-0.5)], B195345-MS2

SW-846 6010C-D

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Selenium

18A0655-02RE1[B-191B (10-12)], B195637-MS1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony

18A0655-01[B-191A (0-0.5)], 18A0655-14[B-189A (0-0.5)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], B195354-MS1, B195354-MS2, B195354-MSD1, B195354-MSD2, B195446-MS1, B195446-MS2, B195446-MSD1, B195446-MSD2

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:

Barium

18A0655-28[B-188A (0-0.5)], B195446-MS1, B195446-MSD1

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:

Barium

18A0655-02RE1[B-191B (10-12)], 18A0655-14[B-189A (0-0.5)], B195354-MSD2, B195637-MS1

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:

Copper

B195446-MSD1

Lead

B195446-MS2

Vanadium

B195354-MSD2

Zinc

B195446-MS1

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

MS-23

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 outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Barium
B195446-MS2

Vanadium
18A0655-28[B-188A (0-0.5)], B195446-MSD1

SW-846 6020A-B

Qualifications:

L-02

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

Analyte & Samples(s) Qualified:

Zinc
B195356-BS1, B195356-BSD1

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:

Beryllium
B195356-BSD1

Selenium
B195356-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
B195477-MS1

Aroclor-1260 [2C]
B195477-MS1

MS-21

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

Analyte & Samples(s) Qualified:

Aroclor-1016
B195410-MS1, B195410-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:

Aroclor-1016 [2C]
B195477-MSD1

S-18

Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
18A0655-42[Decon Water]

Decachlorobiphenyl [2C]
18A0655-42[Decon Water]

SW-846 8260C

Qualifications:

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

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:

Acetone
B195379-BS1, B195379-MS1, B195379-MSD1

L-03

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
18A0655-02[B-191B (10-12)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-17[B-189D (10-12)], 18A0655-26[B-194B (10-12)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], B195379-BLK1, B195379-BS1, B195379-MS1, B195379-MSD1

Naphthalene
18A0655-39[EB-011918], 18A0655-41[TB-011918], B195318-BLK1, B195318-BS1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Naphthalene
18A0655-32[B-190D (10-12)], B195379-MS1, B195379-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:

1,2,3-Trichlorobenzene
B195379-MS1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

trans-1,4-Dichloro-2-butene
B195379-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:

1,2-Dibromo-3-chloropropane (DB
B195379-MS1, B195379-MSD1

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:

Acetone
B195379-BS1, B195379-MS1, B195379-MSD1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
B195379-BS1, B195379-MS1, B195379-MSD1

SW-846 8270D

Qualifications:

E

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

Analyte & Samples(s) Qualified:

Fluoranthene
18A0655-25[B-194A (0-0.5)]

Pyrene
18A0655-25[B-194A (0-0.5)]

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

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

18A0655-01[B-191A (0-0.5)], 18A0655-02[B-191B (10-12)], 18A0655-04[B-200A (0-0.5)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-14[B-189A (0-0.5)], 18A0655-17[B-189D (10-12)], 18A0655-19[B-190A (0-0.5)], 18A0655-25[B-194A (0-0.5)], 18A0655-25RE1[B-194A (0-0.5)], 18A0655-26[B-194B (10-12)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], 18A0655-36[DUP-5], B195346-BLK1, B195346-BS1, B195346-BSD1

MS-08

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

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine

B195346-MS1

4-Chloroaniline

B195346-MS1

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:

3,3-Dichlorobenzidine

18A0655-28[B-188A (0-0.5)], B195346-MS2, B195346-MSD2

3-Nitroaniline

18A0655-28[B-188A (0-0.5)], B195346-MS2, B195346-MSD2

4-Chloroaniline

18A0655-28[B-188A (0-0.5)], B195346-MS2, B195346-MSD2

Aniline

18A0655-28[B-188A (0-0.5)], B195346-MS2, B195346-MSD2

Hexachlorocyclopentadiene

18A0655-28[B-188A (0-0.5)], B195346-MS2, B195346-MSD2

Pyridine

18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-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:

Hexachlorocyclopentadiene

B195346-MS1

Hexachloroethane

B195346-MS1

Pyridine

B195346-MSD2

MS-23

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 outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Aniline

B195346-MS1

Fluoranthene

B195346-MS1

Pentachlorophenol

B195346-MS1

Phenanthrene

B195346-MS1

Pyrene

B195346-MS1

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

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:

3,3-Dichlorobenzidine
18A0655-28[B-188A (0-0.5)], B195346-MS2, B195346-MSD2

Aniline
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Anthracene
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Benzo(a)anthracene
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Benzo(a)pyrene
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Benzo(b)fluoranthene
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Benzo(k)fluoranthene
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Chrysene
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Fluoranthene
18A0655-01[B-191A (0-0.5)], B195346-MSD1

Indeno(1,2,3-cd)pyrene
18A0655-01[B-191A (0-0.5)], B195346-MS1, B195346-MSD1

Pentachlorophenol
18A0655-01[B-191A (0-0.5)], B195346-MSD1

Phenanthrene
18A0655-01[B-191A (0-0.5)], B195346-MSD1

Pyrene
18A0655-01[B-191A (0-0.5)], B195346-MSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
18A0655-01[B-191A (0-0.5)], 18A0655-02[B-191B (10-12)], 18A0655-04[B-200A (0-0.5)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-14[B-189A (0-0.5)], 18A0655-17[B-189D (10-12)], 18A0655-19[B-190A (0-0.5)], 18A0655-25[B-194A (0-0.5)], 18A0655-26[B-194B (10-12)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], 18A0655-36[DUP-5]

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
18A0655-25RE1[B-194A (0-0.5)], 18A0655-39[EB-011918], B195629-BLK1, B195629-BS1, B195629-BSD1

V-19

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
18A0655-01[B-191A (0-0.5)], 18A0655-02[B-191B (10-12)], 18A0655-04[B-200A (0-0.5)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-14[B-189A (0-0.5)], 18A0655-17[B-189D (10-12)], 18A0655-19[B-190A (0-0.5)], 18A0655-25[B-194A (0-0.5)], 18A0655-26[B-194B (10-12)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], 18A0655-36[DUP-5]

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:

2,4-Dinitrophenol
B195346-BLK1, B195346-BS1, B195346-BSD1

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

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine

18A0655-01[B-191A (0-0.5)], 18A0655-02[B-191B (10-12)], 18A0655-04[B-200A (0-0.5)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-14[B-189A (0-0.5)], 18A0655-17[B-189D (10-12)], 18A0655-19[B-190A (0-0.5)], 18A0655-25[B-194A (0-0.5)], 18A0655-25RE1[B-194A (0-0.5)], 18A0655-26[B-194B (10-12)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], 18A0655-36[DUP-5], 18A0655-39[EB-011918], B195346-BLK1, B195346-BS1, B195346-BSD1, B195629-BLK1, B195629-BS1, B195629-BSD1

4,6-Dinitro-2-methylphenol

18A0655-01[B-191A (0-0.5)], 18A0655-02[B-191B (10-12)], 18A0655-04[B-200A (0-0.5)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-14[B-189A (0-0.5)], 18A0655-17[B-189D (10-12)], 18A0655-19[B-190A (0-0.5)], 18A0655-25[B-194A (0-0.5)], 18A0655-26[B-194B (10-12)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], 18A0655-36[DUP-5]

4-Chloroaniline

18A0655-01[B-191A (0-0.5)], 18A0655-02[B-191B (10-12)], 18A0655-04[B-200A (0-0.5)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-14[B-189A (0-0.5)], 18A0655-17[B-189D (10-12)], 18A0655-19[B-190A (0-0.5)], 18A0655-25[B-194A (0-0.5)], 18A0655-25RE1[B-194A (0-0.5)], 18A0655-26[B-194B (10-12)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], 18A0655-36[DUP-5], 18A0655-39[EB-011918], B195346-BLK1, B195346-BS1, B195346-BSD1, B195629-BLK1, B195629-BS1, B195629-BSD1

Aniline

18A0655-01[B-191A (0-0.5)], 18A0655-02[B-191B (10-12)], 18A0655-04[B-200A (0-0.5)], 18A0655-06[B-200C (5-7)], 18A0655-12[B-188E (13-15)], 18A0655-14[B-189A (0-0.5)], 18A0655-17[B-189D (10-12)], 18A0655-19[B-190A (0-0.5)], 18A0655-25[B-194A (0-0.5)], 18A0655-26[B-194B (10-12)], 18A0655-28[B-188A (0-0.5)], 18A0655-32[B-190D (10-12)], 18A0655-34[DUP-3], 18A0655-36[DUP-5]

V-36

Initial calibration verification (ICV) 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-Nitroaniline

18A0655-25RE1[B-194A (0-0.5)]

N-Nitrosodiphenylamine

18A0655-25RE1[B-194A (0-0.5)]

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

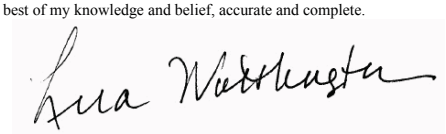
The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 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: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191A (0-0.5) | Sampled: 1/19/2018 08:50

Sample ID: 18A0655-01

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	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Aniline	ND	0.39	mg/Kg dry	1	R-06, V-34	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Anthracene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
4-Chloro-3-methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Chrysene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191A (0-0.5) | Sampled: 1/19/2018 08:50

Sample ID: 18A0655-01

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	1/23/18	1/25/18 13:30	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Pyrene	ND	0.20	mg/Kg dry	1	R-06	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
Pyridine	ND	0.39	mg/Kg dry	1	MS-09	SW-846 8270D	1/23/18	1/25/18 13:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.6	30-130		1/25/18 13:30
Phenol-d6	66.3	30-130		1/25/18 13:30
Nitrobenzene-d5	63.8	30-130		1/25/18 13:30
2-Fluorobiphenyl	68.3	30-130		1/25/18 13:30
2,4,6-Tribromophenol	64.4	30-130		1/25/18 13:30
p-Terphenyl-d14	74.8	30-130		1/25/18 13:30

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191A (0-0.5) | Sampled: 1/19/2018 08:50

Sample ID: 18A0655-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	21	12	mg/Kg dry	1	MS-07A	CTDEP ETPH	1/23/18	1/24/18 15:04	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	70.0	50-150				1/24/18 15:04	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191A (0-0.5) | Sampled: 1/19/2018 08:50

Sample ID: 18A0655-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1	MS-07A	SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Barium	120	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Beryllium	0.39	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Cadmium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Chromium	23	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Copper	36	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Lead	12	0.58	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 13:59	EJB
Nickel	21	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Vanadium	38	0.77	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW
Zinc	53	0.77	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:08	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191A (0-0.5) | Sampled: 1/19/2018 08:50

Sample ID: 18A0655-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	1/23/18	1/24/18 7:13	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191B (10-12) | Sampled: 1/19/2018 08:55

Sample ID: 18A0655-02

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	0.083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Acrylonitrile	ND	0.0050	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Bromomethane	ND	0.0083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
2-Butanone (MEK)	ND	0.033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Carbon Disulfide	ND	0.0050	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Chlorodibromomethane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Chloroform	ND	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Chloromethane	ND	0.0083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2-Dibromoethane (EDB)	ND	0.00083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
trans-1,4-Dichloro-2-butene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1-Dichloroethylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,3-Dichloropropane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
2,2-Dichloropropane	ND	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
cis-1,3-Dichloropropene	ND	0.00083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
trans-1,3-Dichloropropene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191B (10-12) | Sampled: 1/19/2018 08:55

Sample ID: 18A0655-02

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	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Naphthalene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Tetrahydrofuran	ND	0.0083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1	L-03	SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
Vinyl Chloride	ND	0.0083	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
m+p Xylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 7:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.1	70-130		1/23/18 7:57
Toluene-d8	104	70-130		1/23/18 7:57
4-Bromofluorobenzene	92.9	70-130		1/23/18 7:57

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191B (10-12) | Sampled: 1/19/2018 08:55

Sample ID: 18A0655-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Aniline	ND	0.38	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 13:54	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191B (10-12) | Sampled: 1/19/2018 08:55

Sample ID: 18A0655-02

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	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 13:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	58.7	30-130		1/25/18 13:54
Phenol-d6	61.2	30-130		1/25/18 13:54
Nitrobenzene-d5	58.1	30-130		1/25/18 13:54
2-Fluorobiphenyl	64.0	30-130		1/25/18 13:54
2,4,6-Tribromophenol	63.5	30-130		1/25/18 13:54
p-Terphenyl-d14	75.7	30-130		1/25/18 13:54

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191B (10-12) | Sampled: 1/19/2018 08:55

Sample ID: 18A0655-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/24/18 13:53	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	76.1	50-150				1/24/18 13:53	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191B (10-12) | Sampled: 1/19/2018 08:55

Sample ID: 18A0655-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Barium	82	1.9	mg/Kg dry	1	MS-19	SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Beryllium	0.43	0.19	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Cadmium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Chromium	20	0.37	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Copper	36	0.37	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Lead	9.7	0.56	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:02	EJB
Nickel	19	0.37	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Selenium	ND	3.7	mg/Kg dry	1	MS-07	SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/30/18 16:57	QNW
Vanadium	35	0.74	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/30/18 16:57	QNW
Zinc	50	0.74	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:49	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191B (10-12) | Sampled: 1/19/2018 08:55

Sample ID: 18A0655-02

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	89.7		% Wt	1		SM 2540G	1/23/18	1/24/18 7:13	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191C (13-14) | Sampled: 1/19/2018 09:00

Sample ID: 18A0655-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Arsenic	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Barium	81	1.8	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Beryllium	0.42	0.18	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Cadmium	ND	0.18	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Chromium	19	0.36	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Copper	47	0.36	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Lead	10	0.54	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:08	EJB
Nickel	19	0.36	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Selenium	ND	3.6	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Silver	ND	0.36	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/30/18 17:01	QNW
Vanadium	34	0.72	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW
Zinc	49	0.72	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:52	QNW

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-191C (13-14)
Sampled: 1/19/2018 09:00

Sample ID: 18A0655-03

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	1/23/18	1/24/18 7:13	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200A (0-0.5) | Sampled: 1/19/2018 11:02

Sample ID: 18A0655-04

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	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Acenaphthylene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Aniline	ND	0.45	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Benzo(a)anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Benzo(a)pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Benzo(b)fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Benzo(g,h,i)perylene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Benzo(k)fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Butylbenzylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Carbazole	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
4-Chloroaniline	ND	0.88	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 14:19	BGL
4-Chloro-3-methylphenol	ND	0.88	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
4-Chlorophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Chrysene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Dibenz(a,h)anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
3,3-Dichlorobenzidine	ND	0.23	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Dimethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2,4-Dinitrophenol	ND	0.88	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Di-n-octylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Fluorene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Hexachlorocyclopentadiene	ND	0.45	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2-Methylnaphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200A (0-0.5) | Sampled: 1/19/2018 11:02

Sample ID: 18A0655-04

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	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
3-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
4-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
4-Nitrophenol	ND	0.88	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
N-Nitrosodiphenylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
N-Nitrosodi-n-propylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Pentachloronitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Phenanthrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
Pyridine	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:19	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	56.5	30-130		1/25/18 14:19
Phenol-d6	58.4	30-130		1/25/18 14:19
Nitrobenzene-d5	57.8	30-130		1/25/18 14:19
2-Fluorobiphenyl	59.4	30-130		1/25/18 14:19
2,4,6-Tribromophenol	55.7	30-130		1/25/18 14:19
p-Terphenyl-d14	64.6	30-130		1/25/18 14:19

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200A (0-0.5) | Sampled: 1/19/2018 11:02

Sample ID: 18A0655-04

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	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.6	30-150		1/26/18 14:07
Decachlorobiphenyl [2]	87.5	30-150		1/26/18 14:07
Tetrachloro-m-xylene [1]	88.0	30-150		1/26/18 14:07
Tetrachloro-m-xylene [2]	90.0	30-150		1/26/18 14:07

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200A (0-0.5) | Sampled: 1/19/2018 11:02

Sample ID: 18A0655-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	74	13	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/24/18 13:53	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	74.0	50-150				1/24/18 13:53	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200A (0-0.5) | Sampled: 1/19/2018 11:02

Sample ID: 18A0655-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.2	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Arsenic	ND	2.2	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Barium	100	2.2	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Beryllium	0.48	0.22	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Cadmium	ND	0.22	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Chromium	15	0.44	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Copper	19	0.44	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Lead	23	0.66	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Mercury	0.048	0.033	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:10	EJB
Nickel	13	0.44	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Selenium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Silver	ND	0.44	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Thallium	ND	2.2	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Vanadium	40	0.88	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW
Zinc	64	0.88	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:56	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200A (0-0.5) | Sampled: 1/19/2018 11:02

Sample ID: 18A0655-04

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	75.2		% Wt	1		SM 2540G	1/23/18	1/24/18 7:13	MRL

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200B (3-4)
Sampled: 1/19/2018 11:04

Sample ID: 18A0655-05

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	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.3	30-150		1/26/18 14:25
Decachlorobiphenyl [2]	94.9	30-150		1/26/18 14:25
Tetrachloro-m-xylene [1]	93.0	30-150		1/26/18 14:25
Tetrachloro-m-xylene [2]	95.3	30-150		1/26/18 14:25

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200B (3-4) | Sampled: 1/19/2018 11:04

Sample ID: 18A0655-05

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	83.2		% Wt	1		SM 2540G	1/23/18	1/24/18 7:14	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

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	0.073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Acrylonitrile	ND	0.0044	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Bromomethane	ND	0.0073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Carbon Disulfide	ND	0.0044	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Chlorodibromomethane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Chloromethane	ND	0.0073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,3-Dichloropropane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
2,2-Dichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
cis-1,3-Dichloropropene	ND	0.00073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
trans-1,3-Dichloropropene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

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	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Tetrahydrofuran	ND	0.0073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1	L-03	SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
Vinyl Chloride	ND	0.0073	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 8:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		1/23/18 8:23
Toluene-d8	100	70-130		1/23/18 8:23
4-Bromofluorobenzene	92.7	70-130		1/23/18 8:23

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Aniline	ND	0.42	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Butylbenzylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 14:43	BGL
4-Chloro-3-methylphenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
4-Chlorophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Dimethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Di-n-octylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Hexachlorocyclopentadiene	ND	0.42	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

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	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
3-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
4-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
N-Nitrosodiphenylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
N-Nitrosodi-n-propylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Pentachloronitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
Pyridine	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 14:43	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	72.1	30-130		1/25/18 14:43
Phenol-d6	72.6	30-130		1/25/18 14:43
Nitrobenzene-d5	70.0	30-130		1/25/18 14:43
2-Fluorobiphenyl	71.1	30-130		1/25/18 14:43
2,4,6-Tribromophenol	64.6	30-130		1/25/18 14:43
p-Terphenyl-d14	76.6	30-130		1/25/18 14:43

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

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	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 14:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		1/26/18 14:42
Decachlorobiphenyl [2]	96.3	30-150		1/26/18 14:42
Tetrachloro-m-xylene [1]	96.2	30-150		1/26/18 14:42
Tetrachloro-m-xylene [2]	99.1	30-150		1/26/18 14:42

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

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	1/23/18	1/24/18 14:11	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	77.9	50-150		1/24/18 14:11

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Barium	81	2.0	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Beryllium	0.36	0.20	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Cadmium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Chromium	15	0.40	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Copper	40	0.40	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Lead	9.0	0.60	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:11	EJB
Nickel	16	0.40	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Selenium	ND	4.0	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Silver	ND	0.40	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/30/18 17:06	QNW
Vanadium	27	0.80	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW
Zinc	47	0.80	mg/Kg dry	1		SW-846 6010C-D	1/26/18	1/29/18 20:59	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200C (5-7) | Sampled: 1/19/2018 11:06

Sample ID: 18A0655-06

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	81.9		% Wt	1		SM 2540G	1/23/18	1/24/18 7:14	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200D (7-8) | Sampled: 1/19/2018 11:08

Sample ID: 18A0655-07

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	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/26/18 15:00
Decachlorobiphenyl [2]	105	30-150		1/26/18 15:00
Tetrachloro-m-xylene [1]	102	30-150		1/26/18 15:00
Tetrachloro-m-xylene [2]	105	30-150		1/26/18 15:00

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200D (7-8) | Sampled: 1/19/2018 11:08

Sample ID: 18A0655-07

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	87.7		% Wt	1		SM 2540G	1/23/18	1/24/18 7:14	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200E (13-14) | Sampled: 1/19/2018 11:10

Sample ID: 18A0655-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Barium	110	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Beryllium	0.35	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Cadmium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Chromium	22	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Copper	49	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Lead	11	0.56	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:13	EJB
Nickel	25	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 18:00	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 18:00	QNW
Vanadium	40	0.75	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW
Zinc	60	0.75	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:47	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-200E (13-14) | Sampled: 1/19/2018 11:10

Sample ID: 18A0655-08

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	88.4		% Wt	1		SM 2540G	1/23/18	1/24/18 7:14	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-199A (0-0.5) | Sampled: 1/19/2018 11:40

Sample ID: 18A0655-09

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	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1260 [2]	0.13	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.6	30-150		1/26/18 15:18
Decachlorobiphenyl [2]	95.1	30-150		1/26/18 15:18
Tetrachloro-m-xylene [1]	97.5	30-150		1/26/18 15:18
Tetrachloro-m-xylene [2]	101	30-150		1/26/18 15:18

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-199A (0-0.5) | Sampled: 1/19/2018 11:40

Sample ID: 18A0655-09

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	71.5		% Wt	1		SM 2540G	1/23/18	1/24/18 7:14	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-199B (3-4) | Sampled: 1/19/2018 11:42

Sample ID: 18A0655-10

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	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.0	30-150		1/26/18 15:35
Decachlorobiphenyl [2]	85.3	30-150		1/26/18 15:35
Tetrachloro-m-xylene [1]	83.0	30-150		1/26/18 15:35
Tetrachloro-m-xylene [2]	86.1	30-150		1/26/18 15:35

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-199B (3-4) | Sampled: 1/19/2018 11:42

Sample ID: 18A0655-10

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	88.2		% Wt	1		SM 2540G	1/23/18	1/24/18 7:14	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188D (10-11) | Sampled: 1/19/2018 14:58

Sample ID: 18A0655-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Barium	86	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Beryllium	0.28	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Cadmium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Chromium	21	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Copper	29	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Lead	11	0.59	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:15	EJB
Nickel	18	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Vanadium	37	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW
Zinc	45	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:50	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188D (10-11) | Sampled: 1/19/2018 14:58

Sample ID: 18A0655-11

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	85.3		% Wt	1		SM 2540G	1/23/18	1/24/18 7:14	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

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	0.072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Acrylonitrile	ND	0.0043	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Bromomethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Chlorodibromomethane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Chloromethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2-Dibromoethane (EDB)	ND	0.00072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,3-Dichloropropane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
2,2-Dichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
cis-1,3-Dichloropropene	ND	0.00072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
trans-1,3-Dichloropropene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

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	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Tetrahydrofuran	ND	0.0072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1	L-03	SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
Vinyl Chloride	ND	0.0072	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	94.2	70-130			1/23/18 9:52
Toluene-d8	101	70-130			1/23/18 9:52
4-Bromofluorobenzene	95.0	70-130			1/23/18 9:52

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

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	1/23/18	1/25/18 15:08	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Aniline	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
4-Chloroaniline	ND	0.80	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 15:08	BGL
4-Chloro-3-methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2,4-Dinitrophenol	ND	0.80	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

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	1/23/18	1/25/18 15:08	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
4-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	62.9	30-130		1/25/18 15:08
Phenol-d6	63.9	30-130		1/25/18 15:08
Nitrobenzene-d5	61.2	30-130		1/25/18 15:08
2-Fluorobiphenyl	64.6	30-130		1/25/18 15:08
2,4,6-Tribromophenol	60.4	30-130		1/25/18 15:08
p-Terphenyl-d14	70.4	30-130		1/25/18 15:08

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

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	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 15:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.1	30-150		1/26/18 15:53
Decachlorobiphenyl [2]	79.1	30-150		1/26/18 15:53
Tetrachloro-m-xylene [1]	78.0	30-150		1/26/18 15:53
Tetrachloro-m-xylene [2]	80.6	30-150		1/26/18 15:53

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	53	12	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/24/18 14:11	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	67.4	50-150		1/24/18 14:11

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Barium	120	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Beryllium	0.30	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Cadmium	0.34	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Chromium	20	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Copper	28	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Lead	87	0.61	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Mercury	0.068	0.031	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:16	EJB
Nickel	17	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Selenium	ND	4.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Silver	ND	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Vanadium	42	0.81	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW
Zinc	97	0.81	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:54	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188E (13-15) | Sampled: 1/19/2018 15:00

Sample ID: 18A0655-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.1		% Wt	1		SM 2540G	1/23/18	1/24/18 7:15	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188F (12-13) | Sampled: 1/19/2018 15:02

Sample ID: 18A0655-13

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	1/23/18	1/25/18 15:33	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Benzo(a)anthracene	0.23	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Benzo(b)fluoranthene	0.25	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Chrysene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Fluoranthene	0.54	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Phenanthrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL
Pyrene	0.45	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:33	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	49.3	30-130		1/25/18 15:33
2-Fluorobiphenyl	52.2	30-130		1/25/18 15:33
p-Terphenyl-d14	54.3	30-130		1/25/18 15:33

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188F (12-13) | Sampled: 1/19/2018 15:02

Sample ID: 18A0655-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	200	57	mg/Kg dry	5		CTDEP ETPH	1/23/18	1/24/18 15:57	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	81.0	50-150				1/24/18 15:57	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188F (12-13) | Sampled: 1/19/2018 15:02

Sample ID: 18A0655-13

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	88.4		% Wt	1		SM 2540G	1/23/18	1/24/18 7:15	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189A (0-0.5) | Sampled: 1/19/2018 15:30

Sample ID: 18A0655-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.27	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Aniline	ND	0.40	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Anthracene	0.43	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Benzo(a)anthracene	1.2	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Benzo(a)pyrene	1.1	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Benzo(b)fluoranthene	1.5	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Benzo(g,h,i)perylene	0.58	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Benzo(k)fluoranthene	0.54	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 15:58	BGL
4-Chloro-3-methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Chrysene	1.1	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Fluoranthene	2.7	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Indeno(1,2,3-cd)pyrene	0.60	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189A (0-0.5) | Sampled: 1/19/2018 15:30

Sample ID: 18A0655-14

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	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Phenanthrene	1.6	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Pyrene	2.2	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 15:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.1	30-130		1/25/18 15:58
Phenol-d6	64.4	30-130		1/25/18 15:58
Nitrobenzene-d5	64.7	30-130		1/25/18 15:58
2-Fluorobiphenyl	66.5	30-130		1/25/18 15:58
2,4,6-Tribromophenol	58.8	30-130		1/25/18 15:58
p-Terphenyl-d14	67.8	30-130		1/25/18 15:58

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189A (0-0.5) | Sampled: 1/19/2018 15:30

Sample ID: 18A0655-14

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	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1260 [2]	0.58	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.9	30-150		1/26/18 16:11
Decachlorobiphenyl [2]	69.6	30-150		1/26/18 16:11
Tetrachloro-m-xylene [1]	71.0	30-150		1/26/18 16:11
Tetrachloro-m-xylene [2]	72.7	30-150		1/26/18 16:11

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189A (0-0.5) | Sampled: 1/19/2018 15:30

Sample ID: 18A0655-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	36	12	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/24/18 14:46	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	65.2	50-150				1/24/18 14:46	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189A (0-0.5) | Sampled: 1/19/2018 15:30

Sample ID: 18A0655-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1	MS-07A	SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Barium	90	2.0	mg/Kg dry	1	MS-19	SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Beryllium	0.31	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Cadmium	0.21	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Chromium	20	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Copper	32	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Lead	19	0.59	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:01	EJB
Nickel	18	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/30/18 17:40	QNW
Vanadium	45	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW
Zinc	65	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:43	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189A (0-0.5) | Sampled: 1/19/2018 15:30

Sample ID: 18A0655-14

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	85.2		% Wt	1		SM 2540G	1/23/18	1/24/18 7:15	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189B (3-4) | Sampled: 1/19/2018 15:32

Sample ID: 18A0655-15

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	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1260 [2]	0.36	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.0	30-150		1/26/18 16:28
Decachlorobiphenyl [2]	76.5	30-150		1/26/18 16:28
Tetrachloro-m-xylene [1]	77.4	30-150		1/26/18 16:28
Tetrachloro-m-xylene [2]	80.5	30-150		1/26/18 16:28

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189B (3-4) | Sampled: 1/19/2018 15:32

Sample ID: 18A0655-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	1/23/18	1/24/18 7:15	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189C (7-8) | Sampled: 1/19/2018 15:34

Sample ID: 18A0655-16

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	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 16:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.1	30-150		1/26/18 16:46
Decachlorobiphenyl [2]	82.1	30-150		1/26/18 16:46
Tetrachloro-m-xylene [1]	84.9	30-150		1/26/18 16:46
Tetrachloro-m-xylene [2]	87.3	30-150		1/26/18 16:46

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189C (7-8) | Sampled: 1/19/2018 15:34

Sample ID: 18A0655-16

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	86.5		% Wt	1		SM 2540G	1/23/18	1/24/18 7:15	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) | Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

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	1/23/18	1/23/18 11:47	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
2-Butanone (MEK)	ND	0.032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Chloroform	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1-Dichloroethylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
2,2-Dichloropropane	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
trans-1,3-Dichloropropene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) | Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Naphthalene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1	L-03	SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
m+p Xylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 11:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		1/23/18 11:47
Toluene-d8	102	70-130		1/23/18 11:47
4-Bromofluorobenzene	94.1	70-130		1/23/18 11:47

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) | Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Aniline	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 16:22	BGL
4-Chloro-3-methylphenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) | Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

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	1/23/18	1/25/18 16:22	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:22	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.3	30-130		1/25/18 16:22
Phenol-d6	62.6	30-130		1/25/18 16:22
Nitrobenzene-d5	59.9	30-130		1/25/18 16:22
2-Fluorobiphenyl	61.6	30-130		1/25/18 16:22
2,4,6-Tribromophenol	60.6	30-130		1/25/18 16:22
p-Terphenyl-d14	72.7	30-130		1/25/18 16:22

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) | Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

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	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 17:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.6	30-150		1/26/18 17:52
Decachlorobiphenyl [2]	76.7	30-150		1/26/18 17:52
Tetrachloro-m-xylene [1]	74.6	30-150		1/26/18 17:52
Tetrachloro-m-xylene [2]	76.8	30-150		1/26/18 17:52

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) | Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

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	1/23/18	1/24/18 14:28	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	61.9	50-150				1/24/18 14:28	

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

Project Location: 107 Selden St., Berlin, CT Sample Description: Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Barium	43	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Beryllium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Cadmium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Chromium	13	0.41	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Copper	23	0.41	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Lead	7.0	0.61	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Mercury	ND	0.031	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:18	EJB
Nickel	11	0.41	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Selenium	ND	4.1	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Silver	ND	0.41	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Vanadium	22	0.81	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW
Zinc	24	0.81	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 16:57	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189D (10-12) | Sampled: 1/19/2018 15:36

Sample ID: 18A0655-17

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	81.9		% Wt	1		SM 2540G	1/23/18	1/24/18 7:15	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189E (13-14) | Sampled: 1/19/2018 15:38

Sample ID: 18A0655-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Arsenic	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Barium	64	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Beryllium	0.32	0.18	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Cadmium	ND	0.18	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Chromium	21	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Copper	43	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Lead	9.2	0.55	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:19	EJB
Nickel	19	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 18:05	QNW
Vanadium	42	0.74	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW
Zinc	47	0.74	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:01	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-189E (13-14) | Sampled: 1/19/2018 15:38

Sample ID: 18A0655-18

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	1/23/18	1/24/18 7:15	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190A (0-0.5) | Sampled: 1/19/2018 16:20

Sample ID: 18A0655-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Aniline	ND	0.40	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Benzo(b)fluoranthene	0.23	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
4-Chloroaniline	ND	0.78	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 16:46	BGL
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Fluoranthene	0.29	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190A (0-0.5) | Sampled: 1/19/2018 16:20

Sample ID: 18A0655-19

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	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Pyrene	0.24	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 16:46	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.6	30-130		1/25/18 16:46
Phenol-d6	66.3	30-130		1/25/18 16:46
Nitrobenzene-d5	65.0	30-130		1/25/18 16:46
2-Fluorobiphenyl	65.7	30-130		1/25/18 16:46
2,4,6-Tribromophenol	61.7	30-130		1/25/18 16:46
p-Terphenyl-d14	67.8	30-130		1/25/18 16:46

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190A (0-0.5) | Sampled: 1/19/2018 16:20

Sample ID: 18A0655-19

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	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1260 [2]	0.16	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.0	30-150		1/26/18 18:10
Decachlorobiphenyl [2]	78.5	30-150		1/26/18 18:10
Tetrachloro-m-xylene [1]	80.4	30-150		1/26/18 18:10
Tetrachloro-m-xylene [2]	83.3	30-150		1/26/18 18:10

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190A (0-0.5) | Sampled: 1/19/2018 16:20

Sample ID: 18A0655-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	46	12	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/24/18 20:22	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	50.6	50-150				1/24/18 20:22	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190A (0-0.5) | Sampled: 1/19/2018 16:20

Sample ID: 18A0655-19

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Barium	47	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Beryllium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Cadmium	0.65	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Chromium	13	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Copper	17	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Lead	17	0.58	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Mercury	ND	0.031	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:21	EJB
Nickel	9.8	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Vanadium	25	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW
Zinc	58	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:05	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190A (0-0.5) | Sampled: 1/19/2018 16:20

Sample ID: 18A0655-19

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	84.1		% Wt	1		SM 2540G	1/23/18	1/24/18 7:16	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190B (3-4) | Sampled: 1/19/2018 16:22

Sample ID: 18A0655-20

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	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.3	30-150		1/26/18 18:27
Decachlorobiphenyl [2]	79.0	30-150		1/26/18 18:27
Tetrachloro-m-xylene [1]	77.3	30-150		1/26/18 18:27
Tetrachloro-m-xylene [2]	79.9	30-150		1/26/18 18:27

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190B (3-4) | Sampled: 1/19/2018 16:22

Sample ID: 18A0655-20

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	88.9		% Wt	1		SM 2540G	1/23/18	1/24/18 7:16	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-199C (7-8) | Sampled: 1/19/2018 11:44

Sample ID: 18A0655-21

Sample Matrix: Soil

Polychlorinated 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	1/23/18	1/26/18 18:45	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 18:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		1/26/18 18:45
Decachlorobiphenyl [2]	93.0	30-150		1/26/18 18:45
Tetrachloro-m-xylene [1]	92.2	30-150		1/26/18 18:45
Tetrachloro-m-xylene [2]	94.8	30-150		1/26/18 18:45

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-199C (7-8) | Sampled: 1/19/2018 11:44

Sample ID: 18A0655-21

Sample Matrix: Soil

Conventional 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	1/23/18	1/24/18 7:16	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-198A (0-0.5) | Sampled: 1/19/2018 12:00

Sample ID: 18A0655-22

Sample Matrix: Soil

Polychlorinated 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	1/23/18	1/26/18 19:03	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB
Aroclor-1260 [2]	0.12	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.4	30-150		1/26/18 19:03
Decachlorobiphenyl [2]	64.3	30-150		1/26/18 19:03
Tetrachloro-m-xylene [1]	66.1	30-150		1/26/18 19:03
Tetrachloro-m-xylene [2]	68.6	30-150		1/26/18 19:03

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-198A (0-0.5) | Sampled: 1/19/2018 12:00

Sample ID: 18A0655-22

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.1		% Wt	1		SM 2540G	1/23/18	1/24/18 7:16	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-198B (3-4) | Sampled: 1/19/2018 12:02

Sample ID: 18A0655-23

Sample Matrix: Soil

Polychlorinated 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	1/23/18	1/26/18 19:20	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 19:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.5	30-150		1/26/18 19:20
Decachlorobiphenyl [2]	91.1	30-150		1/26/18 19:20
Tetrachloro-m-xylene [1]	83.0	30-150		1/26/18 19:20
Tetrachloro-m-xylene [2]	85.7	30-150		1/26/18 19:20

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-198B (3-4) | Sampled: 1/19/2018 12:02

Sample ID: 18A0655-23

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	1/23/18	1/24/18 7:16	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-198C (7-8) | Sampled: 1/19/2018 12:04

Sample ID: 18A0655-24

Sample Matrix: Soil

Polychlorinated 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	1/23/18	1/26/18 20:07	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		1/26/18 20:07
Decachlorobiphenyl [2]	101	30-150		1/26/18 20:07
Tetrachloro-m-xylene [1]	93.9	30-150		1/26/18 20:07
Tetrachloro-m-xylene [2]	93.6	30-150		1/26/18 20:07

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-198C (7-8) | Sampled: 1/19/2018 12:04

Sample ID: 18A0655-24

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.9		% Wt	1		SM 2540G	1/23/18	1/24/18 7:16	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194A (0-0.5) | Sampled: 1/19/2018 12:40

Sample ID: 18A0655-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.58	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Acenaphthene	0.59	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Acenaphthylene	ND	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Aniline	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Aniline	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Anthracene	1.0	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Anthracene	1.0	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Benzo(a)anthracene	2.9	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Benzo(a)anthracene	3.1	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Benzo(a)pyrene	2.8	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Benzo(a)pyrene	2.9	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Benzo(b)fluoranthene	3.8	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Benzo(b)fluoranthene	3.9	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Benzo(g,h,i)perylene	1.5	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Benzo(g,h,i)perylene	2.0	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Benzo(k)fluoranthene	1.4	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Benzo(k)fluoranthene	1.5	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Bis(2-chloroethoxy)methane	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Bis(2-chloroethyl)ether	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Bis(2-chloroisopropyl)ether	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
4-Bromophenylphenylether	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Butylbenzylphthalate	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Carbazole	0.58	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Carbazole	0.58	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
4-Chloroaniline	ND	0.79	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
4-Chloroaniline	ND	1.6	mg/Kg dry	2	V-34, L-04	SW-846 8270D	1/23/18	1/26/18 16:16	BGL
4-Chloro-3-methylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
4-Chloro-3-methylphenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2-Chloronaphthalene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2-Chlorophenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
4-Chlorophenylphenylether	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Chrysene	3.0	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Chrysene	3.2	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194A (0-0.5) | Sampled: 1/19/2018 12:40

Sample ID: 18A0655-25

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	0.27	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Dibenz(a,h)anthracene	0.47	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Dibenzofuran	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Di-n-butylphthalate	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
3,3-Dichlorobenzidine	ND	0.41	mg/Kg dry	2	V-34	SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2,4-Dichlorophenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Diethylphthalate	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2,4-Dimethylphenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Dimethylphthalate	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
4,6-Dinitro-2-methylphenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2,4-Dinitrophenol	ND	0.79	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2,4-Dinitrophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2,4-Dinitrotoluene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2,6-Dinitrotoluene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Di-n-octylphthalate	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Fluoranthene	6.7	0.20	mg/Kg dry	1	E	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Fluoranthene	6.7	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Fluorene	0.44	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Fluorene	0.46	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Hexachlorobenzene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Hexachlorobutadiene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Hexachlorocyclopentadiene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Hexachloroethane	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Indeno(1,2,3-cd)pyrene	1.6	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Indeno(1,2,3-cd)pyrene	2.2	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Isophorone	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2-Methylnaphthalene	ND	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194A (0-0.5) | Sampled: 1/19/2018 12:40

Sample ID: 18A0655-25

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	1/23/18	1/25/18 17:11	BGL
2-Methylphenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
3/4-Methylphenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Naphthalene	ND	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2-Nitroaniline	ND	0.81	mg/Kg dry	2	V-36	SW-846 8270D	1/23/18	1/26/18 16:16	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
3-Nitroaniline	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
4-Nitroaniline	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Nitrobenzene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2-Nitrophenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
4-Nitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
4-Nitrophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
N-Nitrosodiphenylamine	ND	0.81	mg/Kg dry	2	V-36	SW-846 8270D	1/23/18	1/26/18 16:16	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
N-Nitrosodi-n-propylamine	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Pentachloronitrobenzene	ND	0.81	mg/Kg dry	2	V-16	SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Pentachlorophenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Phenanthrene	4.4	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Phenanthrene	4.8	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Phenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Pyrene	5.3	0.20	mg/Kg dry	1	E	SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Pyrene	5.6	0.41	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
Pyridine	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
1,2,4-Trichlorobenzene	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2,4,5-Trichlorophenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:11	BGL
2,4,6-Trichlorophenol	ND	0.81	mg/Kg dry	2		SW-846 8270D	1/23/18	1/26/18 16:16	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	53.1	30-130		1/25/18 17:11	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194A (0-0.5) | Sampled: 1/19/2018 12:40

Sample ID: 18A0655-25

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		54.2	30-130					1/26/18 16:16	
Phenol-d6		53.0	30-130					1/25/18 17:11	
Phenol-d6		53.5	30-130					1/26/18 16:16	
Nitrobenzene-d5		52.9	30-130					1/25/18 17:11	
Nitrobenzene-d5		58.0	30-130					1/26/18 16:16	
2-Fluorobiphenyl		53.3	30-130					1/25/18 17:11	
2-Fluorobiphenyl		57.2	30-130					1/26/18 16:16	
2,4,6-Tribromophenol		49.5	30-130					1/25/18 17:11	
2,4,6-Tribromophenol		52.6	30-130					1/26/18 16:16	
p-Terphenyl-d14		55.0	30-130					1/25/18 17:11	
p-Terphenyl-d14		56.1	30-130					1/26/18 16:16	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194A (0-0.5) | Sampled: 1/19/2018 12:40

Sample ID: 18A0655-25

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	190	59	mg/Kg dry	5		CTDEP ETPH	1/25/18	1/27/18 12:13	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	57.7	50-150		1/27/18 12:13

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

Project Location: 107 Selden St., Berlin, CT Sample Description: Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194A (0-0.5) Sampled: 1/19/2018 12:40

Sample ID: 18A0655-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Barium	65	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Beryllium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Cadmium	0.59	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Chromium	19	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Copper	28	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Lead	52	0.60	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Mercury	0.085	0.031	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:23	EJB
Nickel	13	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Selenium	ND	4.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Silver	ND	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Vanadium	32	0.80	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW
Zinc	60	0.80	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:09	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194A (0-0.5) | Sampled: 1/19/2018 12:40

Sample ID: 18A0655-25

Sample Matrix: Soil

Conventional 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	1/23/18	1/24/18 7:17	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194B (10-12) | Sampled: 1/19/2018 12:42

Sample ID: 18A0655-26

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	0.063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Acrylonitrile	ND	0.0038	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Bromomethane	ND	0.0063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
2-Butanone (MEK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Carbon Disulfide	ND	0.0038	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Chlorodibromomethane	ND	0.00063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Chloroform	ND	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Chloromethane	ND	0.0063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2-Dibromoethane (EDB)	ND	0.00063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,3-Dichloropropane	ND	0.00063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
2,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
cis-1,3-Dichloropropene	ND	0.00063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
trans-1,3-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194B (10-12) | Sampled: 1/19/2018 12:42

Sample ID: 18A0655-26

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	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Naphthalene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.00063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Tetrahydrofuran	ND	0.0063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1	L-03	SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
Vinyl Chloride	ND	0.0063	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
m+p Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		1/23/18 12:14
Toluene-d8	101	70-130		1/23/18 12:14
4-Bromofluorobenzene	96.0	70-130		1/23/18 12:14

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194B (10-12) | Sampled: 1/19/2018 12:42

Sample ID: 18A0655-26

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	1/23/18	1/25/18 17:36	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Aniline	ND	0.40	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
4-Chloroaniline	ND	0.78	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 17:36	BGL
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194B (10-12) | Sampled: 1/19/2018 12:42

Sample ID: 18A0655-26

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	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 17:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	74.4	30-130		1/25/18 17:36
Phenol-d6	73.1	30-130		1/25/18 17:36
Nitrobenzene-d5	72.1	30-130		1/25/18 17:36
2-Fluorobiphenyl	73.7	30-130		1/25/18 17:36
2,4,6-Tribromophenol	68.5	30-130		1/25/18 17:36
p-Terphenyl-d14	78.6	30-130		1/25/18 17:36

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194B (10-12) | Sampled: 1/19/2018 12:42

Sample ID: 18A0655-26

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	1/23/18	1/25/18 11:16	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	56.6	50-150				1/25/18 11:16	

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18A0655
Date Received: 1/22/2018
Field Sample #: B-194B (10-12)
Sampled: 1/19/2018 12:42
Sample ID: 18A0655-26
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Barium	100	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Beryllium	0.23	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Cadmium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Chromium	20	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Copper	43	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Lead	11	0.59	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:28	EJB
Nickel	18	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 18:09	QNW
Vanadium	36	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW
Zinc	48	0.78	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:13	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194B (10-12) | Sampled: 1/19/2018 12:42

Sample ID: 18A0655-26

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	1/23/18	1/24/18 7:17	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194C (13-14) | Sampled: 1/19/2018 12:44

Sample ID: 18A0655-27

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Barium	110	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Beryllium	0.53	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Cadmium	0.20	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Chromium	22	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Copper	33	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Lead	11	0.56	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:30	EJB
Nickel	20	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/30/18 17:44	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/30/18 17:44	QNW
Vanadium	41	0.75	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW
Zinc	56	0.75	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:35	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-194C (13-14) | Sampled: 1/19/2018 12:44

Sample ID: 18A0655-27

Sample Matrix: Soil

Conventional 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	1/23/18	1/24/18 7:17	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188A (0-0.5) | Sampled: 1/19/2018 14:52

Sample ID: 18A0655-28

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.24	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Aniline	ND	0.40	mg/Kg dry	1	MS-09, V-34	SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Anthracene	0.38	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Benzo(a)anthracene	1.2	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Benzo(a)pyrene	1.2	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Benzo(b)fluoranthene	1.6	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Benzo(g,h,i)perylene	0.67	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Benzo(k)fluoranthene	0.64	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
4-Chloroaniline	ND	0.78	mg/Kg dry	1	L-04, MS-09, V-34	SW-846 8270D	1/23/18	1/25/18 18:01	BGL
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Chrysene	1.2	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	MS-09, R-06, V-34	SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Fluoranthene	2.7	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1	MS-09, V-19	SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Indeno(1,2,3-cd)pyrene	0.72	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188A (0-0.5) | Sampled: 1/19/2018 14:52

Sample ID: 18A0655-28

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	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
3-Nitroaniline	ND	0.40	mg/Kg dry	1	MS-09	SW-846 8270D	1/23/18	1/25/18 18:01	BGL
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Phenanthrene	1.5	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Pyrene	2.3	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	56.3	30-130		1/25/18 18:01
Phenol-d6	58.8	30-130		1/25/18 18:01
Nitrobenzene-d5	56.7	30-130		1/25/18 18:01
2-Fluorobiphenyl	58.9	30-130		1/25/18 18:01
2,4,6-Tribromophenol	57.6	30-130		1/25/18 18:01
p-Terphenyl-d14	62.8	30-130		1/25/18 18:01

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188A (0-0.5) | Sampled: 1/19/2018 14:52

Sample ID: 18A0655-28

Sample Matrix: Soil

Polychlorinated 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	1/23/18	1/26/18 20:25	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB
Aroclor-1254 [1]	0.14	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB
Aroclor-1260 [1]	0.49	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.8	30-150		1/26/18 20:25
Decachlorobiphenyl [2]	94.0	30-150		1/26/18 20:25
Tetrachloro-m-xylene [1]	98.0	30-150		1/26/18 20:25
Tetrachloro-m-xylene [2]	101	30-150		1/26/18 20:25

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188A (0-0.5) | Sampled: 1/19/2018 14:52

Sample ID: 18A0655-28

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	12	mg/Kg dry	1	MS-07A	CTDEP ETPH	1/23/18	1/24/18 21:14	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	**48.6** *	50-150	S-25	1/24/18 21:14

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188A (0-0.5) | Sampled: 1/19/2018 14:52

Sample ID: 18A0655-28

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1	MS-07A	SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Barium	73	2.0	mg/Kg dry	1	MS-12	SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Beryllium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Cadmium	0.40	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Chromium	14	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Copper	27	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Lead	19	0.59	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:49	EJB
Nickel	12	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/30/18 16:14	QNW
Vanadium	33	0.79	mg/Kg dry	1	MS-23	SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP
Zinc	59	0.79	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:43	AMP

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188A (0-0.5) | Sampled: 1/19/2018 14:52

Sample ID: 18A0655-28

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	1/23/18	1/24/18 7:17	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188B (3-4) | Sampled: 1/19/2018 14:54

Sample ID: 18A0655-29

Sample Matrix: Soil

Polychlorinated 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	1/23/18	1/26/18 20:43	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB
Aroclor-1254 [2]	0.13	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB
Aroclor-1260 [2]	0.45	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 20:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.1	30-150		1/26/18 20:43
Decachlorobiphenyl [2]	94.3	30-150		1/26/18 20:43
Tetrachloro-m-xylene [1]	95.5	30-150		1/26/18 20:43
Tetrachloro-m-xylene [2]	99.5	30-150		1/26/18 20:43

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188B (3-4) | Sampled: 1/19/2018 14:54

Sample ID: 18A0655-29

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	1/23/18	1/24/18 7:18	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188C (7-8) | Sampled: 1/19/2018 14:56

Sample ID: 18A0655-30

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	1/23/18	1/26/18 21:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		1/26/18 21:00
Decachlorobiphenyl [2]	106	30-150		1/26/18 21:00
Tetrachloro-m-xylene [1]	101	30-150		1/26/18 21:00
Tetrachloro-m-xylene [2]	104	30-150		1/26/18 21:00

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-188C (7-8) | Sampled: 1/19/2018 14:56

Sample ID: 18A0655-30

Sample Matrix: Soil

Conventional 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	1/23/18	1/24/18 7:18	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190C (7-8) | Sampled: 1/19/2018 16:24

Sample ID: 18A0655-31

Sample Matrix: Soil

Polychlorinated 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	1/24/18	1/28/18 9:25	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL
Aroclor-1260 [1]	0.11	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 9:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	64.4	30-150				1/28/18 9:25	
Decachlorobiphenyl [2]	70.7	30-150				1/28/18 9:25	
Tetrachloro-m-xylene [1]	70.9	30-150				1/28/18 9:25	
Tetrachloro-m-xylene [2]	83.2	30-150				1/28/18 9:25	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190C (7-8) | Sampled: 1/19/2018 16:24

Sample ID: 18A0655-31

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	1/23/18	1/24/18 7:20	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

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	0.074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Acrylonitrile	ND	0.0044	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Bromomethane	ND	0.0074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Carbon Disulfide	ND	0.0044	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Chlorodibromomethane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Chloromethane	ND	0.0074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2-Dibromoethane (EDB)	ND	0.00074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
trans-1,4-Dichloro-2-butene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,3-Dichloropropane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
cis-1,3-Dichloropropene	ND	0.00074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
trans-1,3-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1	MS-07A	SW-846 8260C	1/23/18	1/23/18 9:25	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Tetrahydrofuran	ND	0.0074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1	L-03	SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
Vinyl Chloride	ND	0.0074	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 9:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	95.8	70-130			1/23/18 9:25
Toluene-d8	102	70-130			1/23/18 9:25
4-Bromofluorobenzene	95.6	70-130			1/23/18 9:25

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

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	1/23/18	1/25/18 18:25	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Aniline	ND	0.39	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1	V-34, L-04	SW-846 8270D	1/23/18	1/25/18 18:25	BGL
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

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	1/23/18	1/25/18 18:25	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.9	30-130		1/25/18 18:25
Phenol-d6	60.9	30-130		1/25/18 18:25
Nitrobenzene-d5	56.3	30-130		1/25/18 18:25
2-Fluorobiphenyl	59.6	30-130		1/25/18 18:25
2,4,6-Tribromophenol	55.7	30-130		1/25/18 18:25
p-Terphenyl-d14	65.0	30-130		1/25/18 18:25

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1260 [2]	1.5	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	1/24/18	1/29/18 11:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.5	30-150		1/29/18 11:26
Decachlorobiphenyl [2]	89.1	30-150		1/29/18 11:26
Tetrachloro-m-xylene [1]	88.8	30-150		1/29/18 11:26
Tetrachloro-m-xylene [2]	99.7	30-150		1/29/18 11:26

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	12	11	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/25/18 10:59	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	67.6	50-150				1/25/18 10:59	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1	MS-07A	SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Barium	72	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/30/18 16:38	QNW
Beryllium	0.21	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Cadmium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Chromium	24	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Copper	34	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Lead	16	0.57	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Mercury	0.030	0.028	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:50	EJB
Nickel	22	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/30/18 16:38	QNW
Vanadium	41	0.77	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW
Zinc	62	0.77	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/29/18 17:56	QNW

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190D (10-12) | Sampled: 1/19/2018 16:26

Sample ID: 18A0655-32

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	1/23/18	1/24/18 7:20	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190E (13-14) | Sampled: 1/19/2018 16:28

Sample ID: 18A0655-33

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.3	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Barium	100	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Beryllium	0.50	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Cadmium	0.30	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Chromium	23	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Copper	57	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Lead	11	0.56	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:52	EJB
Nickel	22	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Vanadium	41	0.74	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP
Zinc	62	0.74	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:51	AMP

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: B-190E (13-14) | Sampled: 1/19/2018 16:28

Sample ID: 18A0655-33

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	1/23/18	1/24/18 7:20	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-3 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-34

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	0.088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Acrylonitrile	ND	0.0053	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Bromomethane	ND	0.0088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Carbon Disulfide	ND	0.0053	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Chlorodibromomethane	ND	0.00088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Chloromethane	ND	0.0088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2-Dibromoethane (EDB)	ND	0.00088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,3-Dichloropropane	ND	0.00088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
2,2-Dichloropropane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
cis-1,3-Dichloropropene	ND	0.00088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
trans-1,3-Dichloropropene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-3 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-34

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	1/23/18	1/23/18 12:40	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.00088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Tetrahydrofuran	ND	0.0088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1	L-03	SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
Vinyl Chloride	ND	0.0088	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	1/23/18	1/23/18 12:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.7	70-130		1/23/18 12:40
Toluene-d8	104	70-130		1/23/18 12:40
4-Bromofluorobenzene	94.1	70-130		1/23/18 12:40

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-3 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-34

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	1/23/18	1/25/18 18:50	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Aniline	ND	0.38	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 18:50	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-3 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-34

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	1/23/18	1/25/18 18:50	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 18:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	65.6	30-130		1/25/18 18:50	
Phenol-d6	67.4	30-130		1/25/18 18:50	
Nitrobenzene-d5	65.5	30-130		1/25/18 18:50	
2-Fluorobiphenyl	68.9	30-130		1/25/18 18:50	
2,4,6-Tribromophenol	65.6	30-130		1/25/18 18:50	
p-Terphenyl-d14	78.7	30-130		1/25/18 18:50	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-3 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-34

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/25/18 10:41	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	59.3	50-150		1/25/18 10:41

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-3 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-34

Sample Matrix: Soil

Conventional 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	1/23/18	1/24/18 7:20	MRL

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18A0655
Date Received: 1/22/2018
Field Sample #: DUP-4
Sampled: 1/19/2018 00:00
Sample ID: 18A0655-35
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	2.5	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Arsenic	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Barium	80	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Beryllium	0.34	0.18	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Cadmium	0.23	0.18	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Chromium	20	0.36	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Copper	36	0.36	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Lead	9.4	0.55	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:54	EJB
Nickel	19	0.36	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Selenium	ND	3.6	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Silver	ND	0.36	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Vanadium	31	0.73	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP
Zinc	45	0.73	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:54	AMP

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-4 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-35

Sample Matrix: Soil

Conventional 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	1/23/18	1/24/18 7:21	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-5 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-36

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	1/23/18	1/25/18 19:14	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Aniline	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
4-Chloroaniline	ND	0.79	mg/Kg dry	1	L-04, V-34	SW-846 8270D	1/23/18	1/25/18 19:14	BGL
4-Chloro-3-methylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1	V-34	SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2,4-Dinitrophenol	ND	0.79	mg/Kg dry	1	V-04	SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-19	SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-5 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-36

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	1/23/18	1/25/18 19:14	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
4-Nitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	1/23/18	1/25/18 19:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	69.9	30-130		1/25/18 19:14
Phenol-d6	71.4	30-130		1/25/18 19:14
Nitrobenzene-d5	67.0	30-130		1/25/18 19:14
2-Fluorobiphenyl	68.4	30-130		1/25/18 19:14
2,4,6-Tribromophenol	64.6	30-130		1/25/18 19:14
p-Terphenyl-d14	72.0	30-130		1/25/18 19:14

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-5 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-36

Sample Matrix: Soil

Polychlorinated 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	1/24/18	1/28/18 10:01	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL
Aroclor-1260 [1]	0.097	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.8	30-150		1/28/18 10:01
Decachlorobiphenyl [2]	76.2	30-150		1/28/18 10:01
Tetrachloro-m-xylene [1]	79.5	30-150		1/28/18 10:01
Tetrachloro-m-xylene [2]	88.3	30-150		1/28/18 10:01

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-5 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-36

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	48	12	mg/Kg dry	1		CTDEP ETPH	1/23/18	1/24/18 20:39	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	66.0	50-150				1/24/18 20:39	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-5 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-36

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.3	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Barium	130	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Beryllium	0.38	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Cadmium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Chromium	24	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Copper	27	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Lead	11	0.60	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:55	EJB
Nickel	22	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Selenium	ND	4.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Silver	ND	0.40	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Vanadium	37	0.80	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP
Zinc	51	0.80	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 19:58	AMP

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-5 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-36

Sample Matrix: Soil

Conventional 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	1/23/18	1/24/18 7:21	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-6 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-37

Sample Matrix: Soil

Polychlorinated 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	1/24/18	1/28/18 10:19	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	1/24/18	1/28/18 10:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.0	30-150		1/28/18 10:19
Decachlorobiphenyl [2]	78.0	30-150		1/28/18 10:19
Tetrachloro-m-xylene [1]	78.0	30-150		1/28/18 10:19
Tetrachloro-m-xylene [2]	87.7	30-150		1/28/18 10:19

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-6 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-37

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	1/23/18	1/24/18 7:21	MRL

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18A0655
Date Received: 1/22/2018
Field Sample #: DUP-7
Sampled: 1/19/2018 00:00
Sample ID: 18A0655-38
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	2.3	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Barium	75	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Beryllium	0.30	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Cadmium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Chromium	21	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Copper	32	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Lead	11	0.56	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	1/24/18	1/25/18 14:57	EJB
Nickel	18	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Vanadium	30	0.75	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP
Zinc	46	0.75	mg/Kg dry	1		SW-846 6010C-D	1/24/18	1/25/18 20:01	AMP

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: DUP-7
Sampled: 1/19/2018 00:00

Sample ID: 18A0655-38

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	1/23/18	1/24/18 7:31	MRL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

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	1/23/18	1/23/18 13:22	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

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	1/23/18	1/23/18 13:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Naphthalene	ND	2.0	µg/L	1	L-03	SW-846 8260C	1/23/18	1/23/18 13:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		1/23/18 13:22
Toluene-d8	92.7	70-130		1/23/18 13:22
4-Bromofluorobenzene	81.3	70-130		1/23/18 13:22

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

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	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Acenaphthylene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Anthracene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Benzo(a)anthracene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Benzo(a)pyrene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Benzo(b)fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Benzo(g,h,i)perylene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	1/23/18	1/25/18 12:59	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Chrysene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Dibenz(a,h)anthracene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

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
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Fluorene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Naphthalene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Phenanthrene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Pyrene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	1/25/18	1/26/18 14:25	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	1/23/18	1/25/18 12:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.9	15-110		1/25/18 12:59
Phenol-d6	28.2	15-110		1/25/18 12:59
Nitrobenzene-d5	75.9	30-130		1/25/18 12:59
Nitrobenzene-d5	76.3	30-130		1/26/18 14:25
2-Fluorobiphenyl	61.7	30-130		1/26/18 14:25

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

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
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorobiphenyl		74.4	30-130					1/25/18 12:59	
2,4,6-Tribromophenol		80.8	15-110					1/25/18 12:59	
p-Terphenyl-d14		63.6	30-130					1/26/18 14:25	
p-Terphenyl-d14		85.6	30-130					1/25/18 12:59	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/23/18	1/25/18 23:13	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	30.8	30-150		1/25/18 23:13
Decachlorobiphenyl [2]	32.0	30-150		1/25/18 23:13
Tetrachloro-m-xylene [1]	65.8	30-150		1/25/18 23:13
Tetrachloro-m-xylene [2]	68.5	30-150		1/25/18 23:13

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

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	0.069	mg/L	1		CTDEP ETPH	1/23/18	1/26/18 13:58	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	91.6	50-150				1/26/18 13:58	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011918 | Sampled: 1/19/2018 17:50

Sample ID: 18A0655-39

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	1/23/18	1/23/18 17:45	MJH
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/23/18	1/23/18 14:57	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Selenium	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH
Zinc	ND	50	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:45	MJH

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: EB-011818 | Sampled: 1/18/2018 17:00

Sample ID: 18A0655-40

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	1/23/18	1/23/18 17:49	MJH
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	1/23/18	1/23/18 14:58	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Selenium	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH
Zinc	ND	50	µg/L	5		SW-846 6020A-B	1/23/18	1/23/18 17:49	MJH

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: TB-011918 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-41

Sample Matrix: Trip 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	1/23/18	1/23/18 13:45	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: TB-011918 | Sampled: 1/19/2018 00:00

Sample ID: 18A0655-41

Sample Matrix: Trip 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	1/23/18	1/23/18 13:45	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Naphthalene	ND	2.0	µg/L	1	L-03	SW-846 8260C	1/23/18	1/23/18 13:45	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	1/23/18	1/23/18 13:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		1/23/18 13:45
Toluene-d8	91.5	70-130		1/23/18 13:45
4-Bromofluorobenzene	81.2	70-130		1/23/18 13:45

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18A0655

Date Received: 1/22/2018

Field Sample #: Decon Water | Sampled: 1/19/2018 16:30

Sample ID: 18A0655-42

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	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1221 [1]	ND	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1232 [1]	ND	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1242 [1]	ND	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1248 [1]	ND	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1254 [2]	2.3	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1260 [1]	2.1	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1262 [1]	ND	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG
Aroclor-1268 [1]	ND	0.89	µg/L	4		SW-846 8082A	1/23/18	1/26/18 9:37	TG

Surrogates	% Recovery		Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	**9.35**	*	30-150	S-18	1/26/18	9:37
Decachlorobiphenyl [2]	**9.43**	*	30-150	S-18	1/26/18	9:37
Tetrachloro-m-xylene [1]	51.7		30-150		1/26/18	9:37
Tetrachloro-m-xylene [2]	52.2		30-150		1/26/18	9:37

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
18A0655-01 [B-191A (0-0.5)]	B195345	30.0	1.00	01/23/18
18A0655-02 [B-191B (10-12)]	B195345	30.0	1.00	01/23/18
18A0655-04 [B-200A (0-0.5)]	B195345	30.0	1.00	01/23/18
18A0655-06 [B-200C (5-7)]	B195345	30.0	1.00	01/23/18
18A0655-12 [B-188E (13-15)]	B195345	30.0	1.00	01/23/18
18A0655-13 [B-188F (12-13)]	B195345	30.0	1.00	01/23/18
18A0655-14 [B-189A (0-0.5)]	B195345	30.0	1.00	01/23/18
18A0655-17 [B-189D (10-12)]	B195345	30.0	1.00	01/23/18
18A0655-19 [B-190A (0-0.5)]	B195345	30.0	1.00	01/23/18
18A0655-26 [B-194B (10-12)]	B195345	30.0	1.00	01/23/18
18A0655-28 [B-188A (0-0.5)]	B195345	30.0	1.00	01/23/18
18A0655-32 [B-190D (10-12)]	B195345	30.0	1.00	01/23/18
18A0655-34 [DUP-3]	B195345	30.0	1.00	01/23/18
18A0655-36 [DUP-5]	B195345	30.0	1.00	01/23/18

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-25RE1 [B-194A (0-0.5)]	B195592	30.3	1.00	01/25/18

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18A0655-39 [EB-011918]	B195343	980	0.900	01/23/18

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18A0655-01 [B-191A (0-0.5)]	B195355	01/23/18
18A0655-02 [B-191B (10-12)]	B195355	01/23/18
18A0655-03 [B-191C (13-14)]	B195355	01/23/18
18A0655-04 [B-200A (0-0.5)]	B195355	01/23/18
18A0655-05 [B-200B (3-4)]	B195355	01/23/18
18A0655-06 [B-200C (5-7)]	B195355	01/23/18
18A0655-07 [B-200D (7-8)]	B195355	01/23/18
18A0655-08 [B-200E (13-14)]	B195355	01/23/18
18A0655-09 [B-199A (0-0.5)]	B195355	01/23/18
18A0655-10 [B-199B (3-4)]	B195355	01/23/18
18A0655-11 [B-188D (10-11)]	B195355	01/23/18
18A0655-12 [B-188E (13-15)]	B195355	01/23/18
18A0655-13 [B-188F (12-13)]	B195355	01/23/18
18A0655-14 [B-189A (0-0.5)]	B195355	01/23/18
18A0655-15 [B-189B (3-4)]	B195355	01/23/18
18A0655-16 [B-189C (7-8)]	B195355	01/23/18
18A0655-17 [B-189D (10-12)]	B195355	01/23/18
18A0655-18 [B-189E (13-14)]	B195355	01/23/18
18A0655-19 [B-190A (0-0.5)]	B195355	01/23/18
18A0655-20 [B-190B (3-4)]	B195355	01/23/18
18A0655-21 [B-199C (7-8)]	B195355	01/23/18
18A0655-22 [B-198A (0-0.5)]	B195355	01/23/18
18A0655-23 [B-198B (3-4)]	B195355	01/23/18

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18A0655-24 [B-198C (7-8)]	B195355	01/23/18
18A0655-25 [B-194A (0-0.5)]	B195355	01/23/18
18A0655-26 [B-194B (10-12)]	B195355	01/23/18
18A0655-27 [B-194C (13-14)]	B195355	01/23/18
18A0655-28 [B-188A (0-0.5)]	B195355	01/23/18
18A0655-29 [B-188B (3-4)]	B195355	01/23/18
18A0655-30 [B-188C (7-8)]	B195355	01/23/18
18A0655-31 [B-190C (7-8)]	B195355	01/23/18
18A0655-32 [B-190D (10-12)]	B195355	01/23/18
18A0655-33 [B-190E (13-14)]	B195355	01/23/18
18A0655-34 [DUP-3]	B195355	01/23/18
18A0655-35 [DUP-4]	B195355	01/23/18
18A0655-36 [DUP-5]	B195355	01/23/18
18A0655-37 [DUP-6]	B195355	01/23/18
18A0655-38 [DUP-7]	B195355	01/23/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-01 [B-191A (0-0.5)]	B195354	1.50	50.0	01/24/18
18A0655-08 [B-200E (13-14)]	B195354	1.50	50.0	01/24/18
18A0655-11 [B-188D (10-11)]	B195354	1.50	50.0	01/24/18
18A0655-12 [B-188E (13-15)]	B195354	1.51	50.0	01/24/18
18A0655-14 [B-189A (0-0.5)]	B195354	1.50	50.0	01/24/18
18A0655-17 [B-189D (10-12)]	B195354	1.50	50.0	01/24/18
18A0655-18 [B-189E (13-14)]	B195354	1.50	50.0	01/24/18
18A0655-19 [B-190A (0-0.5)]	B195354	1.53	50.0	01/24/18
18A0655-25 [B-194A (0-0.5)]	B195354	1.49	50.0	01/24/18
18A0655-26 [B-194B (10-12)]	B195354	1.51	50.0	01/24/18
18A0655-27 [B-194C (13-14)]	B195354	1.52	50.0	01/24/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-28 [B-188A (0-0.5)]	B195446	1.50	50.0	01/24/18
18A0655-32 [B-190D (10-12)]	B195446	1.49	50.0	01/24/18
18A0655-33 [B-190E (13-14)]	B195446	1.49	50.0	01/24/18
18A0655-35 [DUP-4]	B195446	1.52	50.0	01/24/18
18A0655-36 [DUP-5]	B195446	1.49	50.0	01/24/18
18A0655-38 [DUP-7]	B195446	1.53	50.0	01/24/18

Prep Method: SW-846 3051-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-02RE1 [B-191B (10-12)]	B195637	1.50	50.0	01/26/18
18A0655-03RE1 [B-191C (13-14)]	B195637	1.53	50.0	01/26/18
18A0655-04RE1 [B-200A (0-0.5)]	B195637	1.51	50.0	01/26/18
18A0655-06RE1 [B-200C (5-7)]	B195637	1.53	50.0	01/26/18

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 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18A0655-39 [EB-011918]	B195356	50.0	50.0	01/23/18
18A0655-40 [EB-011818]	B195356	50.0	50.0	01/23/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18A0655-39 [EB-011918]	B195373	6.00	6.00	01/23/18
18A0655-40 [EB-011818]	B195373	6.00	6.00	01/23/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-01 [B-191A (0-0.5)]	B195349	0.620	50.0	01/24/18
18A0655-02 [B-191B (10-12)]	B195349	0.613	50.0	01/24/18
18A0655-03 [B-191C (13-14)]	B195349	0.571	50.0	01/24/18
18A0655-04 [B-200A (0-0.5)]	B195349	0.601	50.0	01/24/18
18A0655-06 [B-200C (5-7)]	B195349	0.610	50.0	01/24/18
18A0655-08 [B-200E (13-14)]	B195349	0.599	50.0	01/24/18
18A0655-11 [B-188D (10-11)]	B195349	0.610	50.0	01/24/18
18A0655-12 [B-188E (13-15)]	B195349	0.594	50.0	01/24/18
18A0655-14 [B-189A (0-0.5)]	B195349	0.596	50.0	01/24/18
18A0655-17 [B-189D (10-12)]	B195349	0.590	50.0	01/24/18
18A0655-18 [B-189E (13-14)]	B195349	0.584	50.0	01/24/18
18A0655-19 [B-190A (0-0.5)]	B195349	0.570	50.0	01/24/18
18A0655-25 [B-194A (0-0.5)]	B195349	0.584	50.0	01/24/18
18A0655-26 [B-194B (10-12)]	B195349	0.590	50.0	01/24/18
18A0655-27 [B-194C (13-14)]	B195349	0.618	50.0	01/24/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-28 [B-188A (0-0.5)]	B195447	0.622	50.0	01/24/18
18A0655-32 [B-190D (10-12)]	B195447	0.616	50.0	01/24/18
18A0655-33 [B-190E (13-14)]	B195447	0.618	50.0	01/24/18
18A0655-35 [DUP-4]	B195447	0.604	50.0	01/24/18
18A0655-36 [DUP-5]	B195447	0.599	50.0	01/24/18
18A0655-38 [DUP-7]	B195447	0.614	50.0	01/24/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-04 [B-200A (0-0.5)]	B195410	10.0	10.0	01/23/18
18A0655-05 [B-200B (3-4)]	B195410	10.0	10.0	01/23/18
18A0655-06 [B-200C (5-7)]	B195410	10.0	10.0	01/23/18
18A0655-07 [B-200D (7-8)]	B195410	10.0	10.0	01/23/18
18A0655-09 [B-199A (0-0.5)]	B195410	10.0	10.0	01/23/18
18A0655-10 [B-199B (3-4)]	B195410	10.0	10.0	01/23/18
18A0655-12 [B-188E (13-15)]	B195410	10.0	10.0	01/23/18
18A0655-14 [B-189A (0-0.5)]	B195410	10.0	10.0	01/23/18
18A0655-15 [B-189B (3-4)]	B195410	10.0	10.0	01/23/18

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 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-16 [B-189C (7-8)]	B195410	10.0	10.0	01/23/18
18A0655-17 [B-189D (10-12)]	B195410	10.0	10.0	01/23/18
18A0655-19 [B-190A (0-0.5)]	B195410	10.0	10.0	01/23/18
18A0655-20 [B-190B (3-4)]	B195410	10.0	10.0	01/23/18
18A0655-21 [B-199C (7-8)]	B195410	10.0	10.0	01/23/18
18A0655-22 [B-198A (0-0.5)]	B195410	10.0	10.0	01/23/18
18A0655-23 [B-198B (3-4)]	B195410	10.0	10.0	01/23/18
18A0655-24 [B-198C (7-8)]	B195410	10.0	10.0	01/23/18
18A0655-28 [B-188A (0-0.5)]	B195410	10.0	10.0	01/23/18
18A0655-29 [B-188B (3-4)]	B195410	10.0	10.0	01/23/18
18A0655-30 [B-188C (7-8)]	B195410	10.0	10.0	01/23/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-31 [B-190C (7-8)]	B195477	10.2	10.0	01/24/18
18A0655-32 [B-190D (10-12)]	B195477	10.4	10.0	01/24/18
18A0655-36 [DUP-5]	B195477	10.1	10.0	01/24/18
18A0655-37 [DUP-6]	B195477	10.6	10.0	01/24/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18A0655-39 [EB-011918]	B195342	1000	10.0	01/23/18
18A0655-42 [Decon Water]	B195342	900	10.0	01/23/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-02 [B-191B (10-12)]	B195379	6.75	10.0	01/23/18
18A0655-06 [B-200C (5-7)]	B195379	8.37	10.0	01/23/18
18A0655-12 [B-188E (13-15)]	B195379	8.51	10.0	01/23/18
18A0655-17 [B-189D (10-12)]	B195379	7.72	10.0	01/23/18
18A0655-26 [B-194B (10-12)]	B195379	9.30	10.0	01/23/18
18A0655-32 [B-190D (10-12)]	B195379	7.74	10.0	01/23/18
18A0655-34 [DUP-3]	B195379	6.33	10.0	01/23/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18A0655-39 [EB-011918]	B195318	5	5.00	01/23/18
18A0655-41 [TB-011918]	B195318	5	5.00	01/23/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-01 [B-191A (0-0.5)]	B195346	30.0	1.00	01/23/18
18A0655-02 [B-191B (10-12)]	B195346	30.0	1.00	01/23/18
18A0655-04 [B-200A (0-0.5)]	B195346	30.0	1.00	01/23/18

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-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18A0655-06 [B-200C (5-7)]	B195346	30.0	1.00	01/23/18
18A0655-12 [B-188E (13-15)]	B195346	30.0	1.00	01/23/18
18A0655-13 [B-188F (12-13)]	B195346	30.0	1.00	01/23/18
18A0655-14 [B-189A (0-0.5)]	B195346	30.0	1.00	01/23/18
18A0655-17 [B-189D (10-12)]	B195346	30.0	1.00	01/23/18
18A0655-19 [B-190A (0-0.5)]	B195346	30.0	1.00	01/23/18
18A0655-25 [B-194A (0-0.5)]	B195346	30.0	1.00	01/23/18
18A0655-25RE1 [B-194A (0-0.5)]	B195346	30.0	1.00	01/23/18
18A0655-26 [B-194B (10-12)]	B195346	30.0	1.00	01/23/18
18A0655-28 [B-188A (0-0.5)]	B195346	30.0	1.00	01/23/18
18A0655-32 [B-190D (10-12)]	B195346	30.0	1.00	01/23/18
18A0655-34 [DUP-3]	B195346	30.0	1.00	01/23/18
18A0655-36 [DUP-5]	B195346	30.0	1.00	01/23/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18A0655-39RE1 [EB-011918]	B195626	1000	1.00	01/25/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18A0655-39 [EB-011918]	B195629	1000	1.00	01/23/18

con-test® ANALYTICAL LABORATORY
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 B195318 - SW-846 5030B										
Blank (B195318-BLK1)				Prepared: 01/22/18 Analyzed: 01/23/18						
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	1.0	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							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	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	2.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	2.0	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	10	µg/L							
Naphthalene	ND	2.0	µg/L							L-03
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							

con-test® ANALYTICAL LABORATORY
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 B195318 - SW-846 5030B										
Blank (B195318-BLK1)				Prepared: 01/22/18 Analyzed: 01/23/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	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	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	2.0	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*26.4*		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	*23.2*		µg/L	25.0		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	*19.7*		µg/L	25.0		78.8	70-130			
LCS (B195318-BS1)				Prepared: 01/22/18 Analyzed: 01/23/18						
Acetone	99.0	10	µg/L	100		99.0	70-130			
Acrylonitrile	11.4	2.0	µg/L	10.0		114	70-130			
Benzene	9.58	0.50	µg/L	10.0		95.8	70-130			
Bromobenzene	10.3	0.50	µg/L	10.0		103	70-130			
Bromodichloromethane	9.62	0.50	µg/L	10.0		96.2	70-130			
Bromoform	10.6	0.50	µg/L	10.0		106	70-130			
Bromomethane	8.64	1.0	µg/L	10.0		86.4	70-130			
2-Butanone (MEK)	109	5.0	µg/L	100		109	70-130			
n-Butylbenzene	7.87	1.0	µg/L	10.0		78.7	70-130			
sec-Butylbenzene	8.19	1.0	µg/L	10.0		81.9	70-130			
tert-Butylbenzene	7.68	1.0	µg/L	10.0		76.8	70-130			
Carbon Disulfide	79.2	5.0	µg/L	100		79.2	70-130			
Carbon Tetrachloride	8.69	0.50	µg/L	10.0		86.9	70-130			
Chlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
Chlorodibromomethane	9.84	0.50	µg/L	10.0		98.4	70-130			
Chloroethane	9.12	0.50	µg/L	10.0		91.2	70-130			
Chloroform	9.45	0.50	µg/L	10.0		94.5	70-130			
Chloromethane	9.54	2.0	µg/L	10.0		95.4	70-130			
2-Chlorotoluene	9.74	0.50	µg/L	10.0		97.4	70-130			
4-Chlorotoluene	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.58	1.0	µg/L	10.0		95.8	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130			
Dibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	9.76	0.50	µg/L	10.0		97.6	70-130			
1,3-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
1,4-Dichlorobenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
trans-1,4-Dichloro-2-butene	8.17	2.0	µg/L	10.0		81.7	70-130			
Dichlorodifluoromethane (Freon 12)	8.39	0.50	µg/L	10.0		83.9	70-130			
1,1-Dichloroethane	9.03	0.50	µg/L	10.0		90.3	70-130			
1,2-Dichloroethane	9.82	0.50	µg/L	10.0		98.2	70-130			

con-test® ANALYTICAL LABORATORY
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 B195318 - SW-846 5030B											
LCS (B195318-BS1)				Prepared: 01/22/18 Analyzed: 01/23/18							
1,1-Dichloroethylene	8.39	0.50	µg/L	10.0		83.9		70-130			
cis-1,2-Dichloroethylene	9.25	0.50	µg/L	10.0		92.5		70-130			
trans-1,2-Dichloroethylene	9.13	1.0	µg/L	10.0		91.3		70-130			
1,2-Dichloropropane	9.98	0.50	µg/L	10.0		99.8		70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130			
2,2-Dichloropropane	8.83	0.50	µg/L	10.0		88.3		70-130			
1,1-Dichloropropene	8.31	0.50	µg/L	10.0		83.1		70-130			
cis-1,3-Dichloropropene	9.32	0.50	µg/L	10.0		93.2		70-130			
trans-1,3-Dichloropropene	9.49	0.50	µg/L	10.0		94.9		70-130			
Ethylbenzene	8.70	0.50	µg/L	10.0		87.0		70-130			
Hexachlorobutadiene	8.92	0.60	µg/L	10.0		89.2		70-130			
2-Hexanone (MBK)	98.2	5.0	µg/L	100		98.2		70-130			
Isopropylbenzene (Cumene)	7.79	2.0	µg/L	10.0		77.9		70-130			
p-Isopropyltoluene (p-Cymene)	8.10	2.0	µg/L	10.0		81.0		70-130			
Methyl tert-Butyl Ether (MTBE)	8.71	0.50	µg/L	10.0		87.1		70-130			
Methylene Chloride	9.24	5.0	µg/L	10.0		92.4		70-130			
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113		70-130			
Naphthalene	6.94	2.0	µg/L	10.0		**69.4**	*	70-130			L-03
n-Propylbenzene	8.96	1.0	µg/L	10.0		89.6		70-130			
Styrene	8.75	1.0	µg/L	10.0		87.5		70-130			
1,1,1,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130			
1,1,2,2-Tetrachloroethane	11.8	0.50	µg/L	10.0		118		70-130			
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100		70-130			
Tetrahydrofuran	11.0	10	µg/L	10.0		110		70-130			
Toluene	10.1	1.0	µg/L	10.0		101		70-130			
1,2,3-Trichlorobenzene	8.31	0.50	µg/L	10.0		83.1		70-130			
1,2,4-Trichlorobenzene	7.83	0.50	µg/L	10.0		78.3		70-130			
1,1,1-Trichloroethane	8.70	0.50	µg/L	10.0		87.0		70-130			
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130			
Trichloroethylene	9.56	1.0	µg/L	10.0		95.6		70-130			
Trichlorofluoromethane (Freon 11)	8.06	2.0	µg/L	10.0		80.6		70-130			
1,2,3-Trichloropropane	10.8	0.50	µg/L	10.0		108		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.37	0.50	µg/L	10.0		83.7		70-130			
1,2,4-Trimethylbenzene	8.38	1.0	µg/L	10.0		83.8		70-130			
1,3,5-Trimethylbenzene	8.37	2.0	µg/L	10.0		83.7		70-130			
Vinyl Chloride	8.78	1.0	µg/L	10.0		87.8		70-130			
m+p Xylene	19.0	2.0	µg/L	20.0		94.8		70-130			
o-Xylene	8.41	1.0	µg/L	10.0		84.1		70-130			
Xylenes (total)	27.4	3.0	µg/L					0-200			
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.8		70-130			
Surrogate: Toluene-d8	*27.1*		µg/L	25.0		108		70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130			

con-test® ANALYTICAL LABORATORY
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 B195379 - SW-846 5035										
Blank (B195379-BLK1)				Prepared & Analyzed: 01/23/18						
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							

con-test® ANALYTICAL LABORATORY
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 B195379 - SW-846 5035											
Blank (B195379-BLK1)				Prepared & Analyzed: 01/23/18							
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								L-03
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	*0.0496*		mg/Kg wet	0.0500		99.2		70-130			
Surrogate: Toluene-d8	*0.0515*		mg/Kg wet	0.0500		103		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0488*		mg/Kg wet	0.0500		97.7		70-130			
LCS (B195379-BS1)				Prepared & Analyzed: 01/23/18							
Acetone	0.268	0.10	mg/Kg wet	0.200		**134**	*	70-130			L-01, V-20
Acrylonitrile	0.0201	0.0060	mg/Kg wet	0.0200		100		70-130			
Benzene	0.0195	0.0020	mg/Kg wet	0.0200		97.5		70-130			
Bromobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.3		70-130			
Bromodichloromethane	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130			
Bromoform	0.0198	0.0020	mg/Kg wet	0.0200		98.8		70-130			
Bromomethane	0.0233	0.010	mg/Kg wet	0.0200		116		70-130			V-34
2-Butanone (MEK)	0.226	0.040	mg/Kg wet	0.200		113		70-130			
n-Butylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.1		70-130			
sec-Butylbenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.6		70-130			
tert-Butylbenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.6		70-130			
Carbon Disulfide	0.194	0.0060	mg/Kg wet	0.200		96.9		70-130			
Carbon Tetrachloride	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
Chlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.6		70-130			
Chlorodibromomethane	0.0233	0.0010	mg/Kg wet	0.0200		117		70-130			
Chloroethane	0.0188	0.020	mg/Kg wet	0.0200		93.8		70-130			
Chloroform	0.0225	0.0040	mg/Kg wet	0.0200		112		70-130			
Chloromethane	0.0161	0.010	mg/Kg wet	0.0200		80.7		70-130			
2-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.7		70-130			
4-Chlorotoluene	0.0184	0.0020	mg/Kg wet	0.0200		92.2		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0197	0.0020	mg/Kg wet	0.0200		98.7		70-130			
1,2-Dibromoethane (EDB)	0.0218	0.0010	mg/Kg wet	0.0200		109		70-130			
Dibromomethane	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130			
1,2-Dichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		89.8		70-130			
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.3		70-130			
1,4-Dichlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.6		70-130			
trans-1,4-Dichloro-2-butene	0.0150	0.0040	mg/Kg wet	0.0200		74.8		70-130			
Dichlorodifluoromethane (Freon 12)	0.0220	0.020	mg/Kg wet	0.0200		110		70-130			
1,1-Dichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130			
1,2-Dichloroethane	0.0246	0.0020	mg/Kg wet	0.0200		123		70-130			
1,1-Dichloroethylene	0.0214	0.0040	mg/Kg wet	0.0200		107		70-130			

con-test® ANALYTICAL LABORATORY
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 B195379 - SW-846 5035											
LCS (B195379-BS1)				Prepared & Analyzed: 01/23/18							
cis-1,2-Dichloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
trans-1,2-Dichloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
1,2-Dichloropropane	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
1,3-Dichloropropane	0.0218	0.0010	mg/Kg wet	0.0200		109		70-130			
2,2-Dichloropropane	0.0140	0.0020	mg/Kg wet	0.0200		70.0		70-130			
1,1-Dichloropropene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
cis-1,3-Dichloropropene	0.0200	0.0010	mg/Kg wet	0.0200		100		70-130			
trans-1,3-Dichloropropene	0.0200	0.0010	mg/Kg wet	0.0200		99.8		70-130			
Ethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.9		70-130			
Hexachlorobutadiene	0.0182	0.0020	mg/Kg wet	0.0200		91.0		70-130			
2-Hexanone (MBK)	0.235	0.020	mg/Kg wet	0.200		118		70-130			
Isopropylbenzene (Cumene)	0.0177	0.0020	mg/Kg wet	0.0200		88.4		70-130			
p-Isopropyltoluene (p-Cymene)	0.0174	0.0020	mg/Kg wet	0.0200		87.0		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0188	0.0040	mg/Kg wet	0.0200		94.2		70-130			
Methylene Chloride	0.0219	0.020	mg/Kg wet	0.0200		109		70-130			
4-Methyl-2-pentanone (MIBK)	0.229	0.020	mg/Kg wet	0.200		114		70-130			
Naphthalene	0.0141	0.0040	mg/Kg wet	0.0200		70.6		70-130			
n-Propylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.6		70-130			
Styrene	0.0181	0.0020	mg/Kg wet	0.0200		90.6		70-130			
1,1,1,2-Tetrachloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.6		70-130			
1,1,2,2-Tetrachloroethane	0.0195	0.0010	mg/Kg wet	0.0200		97.5		70-130			
Tetrachloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
Tetrahydrofuran	0.0228	0.010	mg/Kg wet	0.0200		114		70-130			
Toluene	0.0195	0.0020	mg/Kg wet	0.0200		97.3		70-130			
1,2,3-Trichlorobenzene	0.0135	0.0020	mg/Kg wet	0.0200		**67.5**	*	70-130			L-03
1,2,4-Trichlorobenzene	0.0153	0.0020	mg/Kg wet	0.0200		76.6		70-130			
1,1,1-Trichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130			
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		103		70-130			
Trichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
Trichlorofluoromethane (Freon 11)	0.0217	0.010	mg/Kg wet	0.0200		108		70-130			
1,2,3-Trichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		103		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0218	0.010	mg/Kg wet	0.0200		109		70-130			
1,2,4-Trimethylbenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.0		70-130			
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.6		70-130			
Vinyl Chloride	0.0205	0.010	mg/Kg wet	0.0200		102		70-130			
m+p Xylene	0.0364	0.0040	mg/Kg wet	0.0400		91.1		70-130			
o-Xylene	0.0182	0.0020	mg/Kg wet	0.0200		91.2		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0562*		mg/Kg wet	0.0500		112		70-130			
Surrogate: Toluene-d8	*0.0520*		mg/Kg wet	0.0500		104		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0508*		mg/Kg wet	0.0500		102		70-130			
Matrix Spike (B195379-MS1)	**Source: 18A0655-32**			Prepared & Analyzed: 01/23/18							
Acetone	0.136	0.066	mg/Kg dry	0.132	ND	103		70-130			L-01, V-20
Acrylonitrile	0.0121	0.0040	mg/Kg dry	0.0132	ND	91.7		70-130			
Benzene	0.0128	0.0013	mg/Kg dry	0.0132	ND	96.8		70-130			
Bromobenzene	0.0117	0.0013	mg/Kg dry	0.0132	ND	88.5		70-130			
Bromodichloromethane	0.0141	0.0013	mg/Kg dry	0.0132	ND	107		70-130			
Bromoform	0.0120	0.0013	mg/Kg dry	0.0132	ND	91.2		70-130			
Bromomethane	0.0116	0.0066	mg/Kg dry	0.0132	ND	87.6		70-130			V-34
2-Butanone (MEK)	0.107	0.026	mg/Kg dry	0.132	ND	81.4		70-130			
n-Butylbenzene	0.0124	0.0013	mg/Kg dry	0.0132	ND	94.0		70-130			
sec-Butylbenzene	0.0114	0.0013	mg/Kg dry	0.0132	ND	86.7		70-130			

con-test® ANALYTICAL LABORATORY
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 B195379 - SW-846 5035											
Matrix Spike (B195379-MS1)		**Source: 18A0655-32**		Prepared & Analyzed: 01/23/18							
tert-Butylbenzene	0.0109	0.0013	mg/Kg dry	0.0132	ND	82.4		70-130			
Carbon Disulfide	0.0134	0.0040	mg/Kg dry	0.0132	ND	102		70-130			
Carbon Tetrachloride	0.0132	0.0013	mg/Kg dry	0.0132	ND	99.9		70-130			
Chlorobenzene	0.0119	0.0013	mg/Kg dry	0.0132	ND	90.1		70-130			
Chlorodibromomethane	0.0138	0.00066	mg/Kg dry	0.0132	ND	105		70-130			
Chloroethane	0.0123	0.013	mg/Kg dry	0.0132	ND	93.2		70-130			
Chloroform	0.0144	0.0026	mg/Kg dry	0.0132	ND	109		70-130			
Chloromethane	0.0124	0.0066	mg/Kg dry	0.0132	ND	93.6		70-130			
2-Chlorotoluene	0.0119	0.0013	mg/Kg dry	0.0132	ND	90.5		70-130			
4-Chlorotoluene	0.0122	0.0013	mg/Kg dry	0.0132	ND	92.3		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0100	0.0013	mg/Kg dry	0.0132	ND	76.1		70-130			R-06
1,2-Dibromoethane (EDB)	0.0128	0.00066	mg/Kg dry	0.0132	ND	96.7		70-130			
Dibromomethane	0.0125	0.0013	mg/Kg dry	0.0132	ND	95.0		70-130			
1,2-Dichlorobenzene	0.0112	0.0013	mg/Kg dry	0.0132	ND	85.2		70-130			
1,3-Dichlorobenzene	0.0119	0.0013	mg/Kg dry	0.0132	ND	90.0		70-130			
1,4-Dichlorobenzene	0.0113	0.0013	mg/Kg dry	0.0132	ND	85.6		70-130			
trans-1,4-Dichloro-2-butene	0.00846	0.0026	mg/Kg dry	0.0132	ND	**64.1**	*	70-130			MS-24
Dichlorodifluoromethane (Freon 12)	0.00993	0.013	mg/Kg dry	0.0132	ND	75.2		70-130			
1,1-Dichloroethane	0.0147	0.0013	mg/Kg dry	0.0132	ND	111		70-130			
1,2-Dichloroethane	0.0152	0.0013	mg/Kg dry	0.0132	ND	115		70-130			
1,1-Dichloroethylene	0.0142	0.0026	mg/Kg dry	0.0132	ND	107		70-130			
cis-1,2-Dichloroethylene	0.0138	0.0013	mg/Kg dry	0.0132	ND	104		70-130			
trans-1,2-Dichloroethylene	0.0145	0.0013	mg/Kg dry	0.0132	ND	110		70-130			
1,2-Dichloropropane	0.0134	0.0013	mg/Kg dry	0.0132	ND	102		70-130			
1,3-Dichloropropane	0.0123	0.00066	mg/Kg dry	0.0132	ND	93.2		70-130			
2,2-Dichloropropane	0.00981	0.0013	mg/Kg dry	0.0132	ND	74.3		70-130			
1,1-Dichloropropene	0.0134	0.0013	mg/Kg dry	0.0132	ND	101		70-130			
cis-1,3-Dichloropropene	0.0117	0.00066	mg/Kg dry	0.0132	ND	88.9		70-130			
trans-1,3-Dichloropropene	0.0111	0.00066	mg/Kg dry	0.0132	ND	84.1		70-130			
Ethylbenzene	0.0117	0.0013	mg/Kg dry	0.0132	ND	89.0		70-130			
Hexachlorobutadiene	0.0123	0.0013	mg/Kg dry	0.0132	ND	93.0		70-130			
2-Hexanone (MBK)	0.119	0.013	mg/Kg dry	0.132	ND	90.1		70-130			
Isopropylbenzene (Cumene)	0.0125	0.0013	mg/Kg dry	0.0132	ND	95.0		70-130			
p-Isopropyltoluene (p-Cymene)	0.0117	0.0013	mg/Kg dry	0.0132	ND	89.0		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0114	0.0026	mg/Kg dry	0.0132	ND	86.4		70-130			
Methylene Chloride	0.0149	0.013	mg/Kg dry	0.0132	ND	113		70-130			
4-Methyl-2-pentanone (MIBK)	0.115	0.013	mg/Kg dry	0.132	ND	87.0		70-130			
Naphthalene	0.00857	0.0026	mg/Kg dry	0.0132	ND	**64.9**	*	70-130			MS-07A
n-Propylbenzene	0.0120	0.0013	mg/Kg dry	0.0132	ND	90.7		70-130			
Styrene	0.0117	0.0013	mg/Kg dry	0.0132	ND	88.7		70-130			
1,1,1,2-Tetrachloroethane	0.0120	0.0013	mg/Kg dry	0.0132	ND	91.1		70-130			
1,1,2,2-Tetrachloroethane	0.0110	0.00066	mg/Kg dry	0.0132	ND	83.3		70-130			
Tetrachloroethylene	0.0134	0.0013	mg/Kg dry	0.0132	ND	102		70-130			
Tetrahydrofuran	0.0114	0.0066	mg/Kg dry	0.0132	ND	86.5		70-130			
Toluene	0.0127	0.0013	mg/Kg dry	0.0132	ND	96.1		70-130			
1,2,3-Trichlorobenzene	0.00840	0.0013	mg/Kg dry	0.0132	ND	**63.6**	*	70-130			L-03, MS-22
1,2,4-Trichlorobenzene	0.00925	0.0013	mg/Kg dry	0.0132	ND	70.1		70-130			
1,1,1-Trichloroethane	0.0148	0.0013	mg/Kg dry	0.0132	ND	112		70-130			
1,1,2-Trichloroethane	0.0126	0.0013	mg/Kg dry	0.0132	ND	95.6		70-130			
Trichloroethylene	0.0129	0.0013	mg/Kg dry	0.0132	ND	97.5		70-130			
Trichlorofluoromethane (Freon 11)	0.0145	0.0066	mg/Kg dry	0.0132	ND	110		70-130			
1,2,3-Trichloropropane	0.0117	0.0013	mg/Kg dry	0.0132	ND	89.0		70-130			

con-test® ANALYTICAL LABORATORY
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 B195379 - SW-846 5035											
Matrix Spike (B195379-MS1)		**Source: 18A0655-32**		Prepared & Analyzed: 01/23/18							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0135	0.0066	mg/Kg dry	0.0132	ND	102	70-130				
1,2,4-Trimethylbenzene	0.0112	0.0013	mg/Kg dry	0.0132	ND	85.1	70-130				
1,3,5-Trimethylbenzene	0.0122	0.0013	mg/Kg dry	0.0132	ND	92.1	70-130				
Vinyl Chloride	0.0118	0.0066	mg/Kg dry	0.0132	ND	89.3	70-130				
m+p Xylene	0.0238	0.0026	mg/Kg dry	0.0264	ND	90.0	70-130				
o-Xylene	0.0118	0.0013	mg/Kg dry	0.0132	ND	89.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0353*		mg/Kg dry	0.0330		107	70-130				
Surrogate: Toluene-d8	*0.0336*		mg/Kg dry	0.0330		102	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0340*		mg/Kg dry	0.0330		103	70-130				
Matrix Spike Dup (B195379-MSD1)		**Source: 18A0655-32**		Prepared & Analyzed: 01/23/18							
Acetone	0.166	0.075	mg/Kg dry	0.150	ND	111	70-130	20.0		30	L-01, V-20
Acrylonitrile	0.0138	0.0045	mg/Kg dry	0.0150	ND	92.0	70-130	13.3		30	
Benzene	0.0151	0.0015	mg/Kg dry	0.0150	ND	100	70-130	16.8		30	
Bromobenzene	0.0131	0.0015	mg/Kg dry	0.0150	ND	86.9	70-130	11.2		30	
Bromodichloromethane	0.0172	0.0015	mg/Kg dry	0.0150	ND	114	70-130	20.1		30	
Bromoform	0.0154	0.0015	mg/Kg dry	0.0150	ND	103	70-130	24.7		30	
Bromomethane	0.0134	0.0075	mg/Kg dry	0.0150	ND	89.1	70-130	14.7		30	V-34
2-Butanone (MEK)	0.142	0.030	mg/Kg dry	0.150	ND	94.6	70-130	27.9		30	
n-Butylbenzene	0.0147	0.0015	mg/Kg dry	0.0150	ND	97.8	70-130	17.0		30	
sec-Butylbenzene	0.0134	0.0015	mg/Kg dry	0.0150	ND	89.1	70-130	15.7		30	
tert-Butylbenzene	0.0131	0.0015	mg/Kg dry	0.0150	ND	87.1	70-130	18.5		30	
Carbon Disulfide	0.0157	0.0045	mg/Kg dry	0.0150	ND	104	70-130	15.7		30	
Carbon Tetrachloride	0.0154	0.0015	mg/Kg dry	0.0150	ND	103	70-130	15.8		30	
Chlorobenzene	0.0132	0.0015	mg/Kg dry	0.0150	ND	87.6	70-130	10.2		30	
Chlorodibromomethane	0.0173	0.00075	mg/Kg dry	0.0150	ND	115	70-130	22.5		30	
Chloroethane	0.0129	0.015	mg/Kg dry	0.0150	ND	85.6	70-130	4.53		30	
Chloroform	0.0175	0.0030	mg/Kg dry	0.0150	ND	116	70-130	19.5		30	
Chloromethane	0.0143	0.0075	mg/Kg dry	0.0150	ND	95.3	70-130	14.8		30	
2-Chlorotoluene	0.0136	0.0015	mg/Kg dry	0.0150	ND	90.2	70-130	12.7		30	
4-Chlorotoluene	0.0137	0.0015	mg/Kg dry	0.0150	ND	90.8	70-130	11.4		30	
1,2-Dibromo-3-chloropropane (DBCP)	0.0145	0.0015	mg/Kg dry	0.0150	ND	96.7	70-130	**36.6**	*	30	R-06
1,2-Dibromoethane (EDB)	0.0155	0.00075	mg/Kg dry	0.0150	ND	103	70-130	19.5		30	
Dibromomethane	0.0161	0.0015	mg/Kg dry	0.0150	ND	107	70-130	24.9		30	
1,2-Dichlorobenzene	0.0138	0.0015	mg/Kg dry	0.0150	ND	91.6	70-130	20.2		30	
1,3-Dichlorobenzene	0.0140	0.0015	mg/Kg dry	0.0150	ND	93.2	70-130	16.5		30	
1,4-Dichlorobenzene	0.0131	0.0015	mg/Kg dry	0.0150	ND	87.1	70-130	14.8		30	
trans-1,4-Dichloro-2-butene	0.0109	0.0030	mg/Kg dry	0.0150	ND	72.7	70-130	25.5		30	
Dichlorodifluoromethane (Freon 12)	0.0116	0.015	mg/Kg dry	0.0150	ND	76.9	70-130	15.2		30	
1,1-Dichloroethane	0.0171	0.0015	mg/Kg dry	0.0150	ND	113	70-130	14.9		30	
1,2-Dichloroethane	0.0176	0.0015	mg/Kg dry	0.0150	ND	117	70-130	14.5		30	
1,1-Dichloroethylene	0.0170	0.0030	mg/Kg dry	0.0150	ND	113	70-130	18.0		30	
cis-1,2-Dichloroethylene	0.0164	0.0015	mg/Kg dry	0.0150	ND	109	70-130	17.3		30	
trans-1,2-Dichloroethylene	0.0168	0.0015	mg/Kg dry	0.0150	ND	111	70-130	14.3		30	
1,2-Dichloropropane	0.0163	0.0015	mg/Kg dry	0.0150	ND	108	70-130	19.5		30	
1,3-Dichloropropane	0.0148	0.00075	mg/Kg dry	0.0150	ND	98.5	70-130	18.5		30	
2,2-Dichloropropane	0.0113	0.0015	mg/Kg dry	0.0150	ND	75.4	70-130	14.5		30	
1,1-Dichloropropene	0.0159	0.0015	mg/Kg dry	0.0150	ND	106	70-130	17.2		30	
cis-1,3-Dichloropropene	0.0135	0.00075	mg/Kg dry	0.0150	ND	90.1	70-130	14.4		30	
trans-1,3-Dichloropropene	0.0134	0.00075	mg/Kg dry	0.0150	ND	89.1	70-130	18.8		30	
Ethylbenzene	0.0137	0.0015	mg/Kg dry	0.0150	ND	91.4	70-130	15.7		30	
Hexachlorobutadiene	0.0140	0.0015	mg/Kg dry	0.0150	ND	93.3	70-130	13.3		30	

con-test® ANALYTICAL LABORATORY
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 B195379 - SW-846 5035											
Matrix Spike Dup (B195379-MSD1)	**Source: 18A0655-32**			Prepared & Analyzed: 01/23/18							
2-Hexanone (MBK)	0.159	0.015	mg/Kg dry	0.150	ND	106		70-130	29.0	30	
Isopropylbenzene (Cumene)	0.0143	0.0015	mg/Kg dry	0.0150	ND	95.1		70-130	13.1	30	
p-Isopropyltoluene (p-Cymene)	0.0137	0.0015	mg/Kg dry	0.0150	ND	91.1		70-130	15.3	30	
Methyl tert-Butyl Ether (MTBE)	0.0141	0.0030	mg/Kg dry	0.0150	ND	93.5		70-130	20.9	30	
Methylene Chloride	0.0178	0.015	mg/Kg dry	0.0150	ND	118		70-130	17.4	30	
4-Methyl-2-pentanone (MIBK)	0.149	0.015	mg/Kg dry	0.150	ND	99.2		70-130	26.0	30	
Naphthalene	0.00829	0.0030	mg/Kg dry	0.0150	ND	**55.1**	*	70-130	3.33	30	MS-07A
n-Propylbenzene	0.0139	0.0015	mg/Kg dry	0.0150	ND	92.3		70-130	14.8	30	
Styrene	0.0138	0.0015	mg/Kg dry	0.0150	ND	91.9		70-130	16.5	30	
1,1,1,2-Tetrachloroethane	0.0140	0.0015	mg/Kg dry	0.0150	ND	92.8		70-130	14.9	30	
1,1,2,2-Tetrachloroethane	0.0143	0.00075	mg/Kg dry	0.0150	ND	95.1		70-130	26.1	30	
Tetrachloroethylene	0.0159	0.0015	mg/Kg dry	0.0150	ND	106		70-130	17.2	30	
Tetrahydrofuran	0.0145	0.0075	mg/Kg dry	0.0150	ND	96.7		70-130	24.1	30	
Toluene	0.0152	0.0015	mg/Kg dry	0.0150	ND	101		70-130	17.9	30	
1,2,3-Trichlorobenzene	0.0106	0.0015	mg/Kg dry	0.0150	ND	70.7		70-130	23.5	30	L-03
1,2,4-Trichlorobenzene	0.0113	0.0015	mg/Kg dry	0.0150	ND	75.0		70-130	19.7	30	
1,1,1-Trichloroethane	0.0172	0.0015	mg/Kg dry	0.0150	ND	114		70-130	15.0	30	
1,1,2-Trichloroethane	0.0152	0.0015	mg/Kg dry	0.0150	ND	101		70-130	18.5	30	
Trichloroethylene	0.0157	0.0015	mg/Kg dry	0.0150	ND	104		70-130	19.5	30	
Trichlorofluoromethane (Freon 11)	0.0169	0.0075	mg/Kg dry	0.0150	ND	113		70-130	15.5	30	
1,2,3-Trichloropropane	0.0128	0.0015	mg/Kg dry	0.0150	ND	85.0		70-130	8.44	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0158	0.0075	mg/Kg dry	0.0150	ND	105		70-130	15.3	30	
1,2,4-Trimethylbenzene	0.0129	0.0015	mg/Kg dry	0.0150	ND	85.9		70-130	14.0	30	
1,3,5-Trimethylbenzene	0.0141	0.0015	mg/Kg dry	0.0150	ND	94.0		70-130	15.1	30	
Vinyl Chloride	0.0152	0.0075	mg/Kg dry	0.0150	ND	101		70-130	25.3	30	
m+p Xylene	0.0277	0.0030	mg/Kg dry	0.0301	ND	92.2		70-130	15.4	30	
o-Xylene	0.0136	0.0015	mg/Kg dry	0.0150	ND	90.2		70-130	14.1	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0412*		mg/Kg dry	0.0376		110		70-130			
Surrogate: Toluene-d8	*0.0385*		mg/Kg dry	0.0376		102		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0382*		mg/Kg dry	0.0376		102		70-130			

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546										
Blank (B195346-BLK1)				Prepared: 01/23/18 Analyzed: 01/25/18						
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, V-34
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							V-34
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							V-20
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							

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546												
Blank (B195346-BLK1)				Prepared: 01/23/18 Analyzed: 01/25/18								
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									
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	*3.75*		mg/Kg wet	6.67		56.3		30-130				
Surrogate: Phenol-d6	*3.85*		mg/Kg wet	6.67		57.7		30-130				
Surrogate: Nitrobenzene-d5	*2.01*		mg/Kg wet	3.33		60.2		30-130				
Surrogate: 2-Fluorobiphenyl	*2.00*		mg/Kg wet	3.33		60.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.34*		mg/Kg wet	6.67		65.1		30-130				
Surrogate: p-Terphenyl-d14	*2.55*		mg/Kg wet	3.33		76.5		30-130				
LCS (B195346-BS1)				Prepared: 01/23/18 Analyzed: 01/25/18								
Acenaphthene	1.03	0.17	mg/Kg wet	1.67		62.1		40-140				
Acenaphthylene	0.998	0.17	mg/Kg wet	1.67		59.9		40-140				
Aniline	0.689	0.34	mg/Kg wet	1.67		41.3		40-140				†
Anthracene	1.10	0.17	mg/Kg wet	1.67		66.3		40-140				
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		64.6		40-140				
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4		40-140				
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5		40-140				
Benzo(g,h,i)perylene	1.14	0.17	mg/Kg wet	1.67		68.4		40-140				
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.7		40-140				
Bis(2-chloroethoxy)methane	1.15	0.34	mg/Kg wet	1.67		69.1		40-140				
Bis(2-chloroethyl)ether	1.01	0.34	mg/Kg wet	1.67		60.8		40-140				
Bis(2-chloroisopropyl)ether	1.19	0.34	mg/Kg wet	1.67		71.7		40-140				
Bis(2-Ethylhexyl)phthalate	1.20	0.34	mg/Kg wet	1.67		72.2		40-140				
4-Bromophenylphenylether	1.14	0.34	mg/Kg wet	1.67		68.6		40-140				
Butylbenzylphthalate	1.21	0.34	mg/Kg wet	1.67		72.3		40-140				
Carbazole	1.03	0.17	mg/Kg wet	1.67		62.0		40-140				
4-Chloroaniline	0.628	0.66	mg/Kg wet	1.67		**37.7**	*	40-140			L-04, V-34	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		66.2		30-130				
2-Chloronaphthalene	0.959	0.34	mg/Kg wet	1.67		57.6		40-140				
2-Chlorophenol	0.968	0.34	mg/Kg wet	1.67		58.1		30-130				
4-Chlorophenylphenylether	1.04	0.34	mg/Kg wet	1.67		62.6		40-140				
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8		40-140				
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.3		40-140				
Dibenzofuran	1.05	0.34	mg/Kg wet	1.67		63.2		40-140				
Di-n-butylphthalate	1.11	0.34	mg/Kg wet	1.67		66.4		40-140				
3,3-Dichlorobenzidine	0.768	0.17	mg/Kg wet	1.67		46.1		40-140			V-34	†
2,4-Dichlorophenol	0.979	0.34	mg/Kg wet	1.67		58.8		30-130				
Diethylphthalate	1.07	0.34	mg/Kg wet	1.67		63.9		40-140				
2,4-Dimethylphenol	0.962	0.34	mg/Kg wet	1.67		57.7		30-130				
Dimethylphthalate	1.08	0.34	mg/Kg wet	1.67		64.9		40-140				
4,6-Dinitro-2-methylphenol	0.997	0.34	mg/Kg wet	1.67		59.8		30-130				

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546										
LCS (B195346-BS1)				Prepared: 01/23/18 Analyzed: 01/25/18						
2,4-Dinitrophenol	0.774	0.66	mg/Kg wet	1.67		46.4	30-130			V-20
2,4-Dinitrotoluene	1.14	0.34	mg/Kg wet	1.67		68.4	40-140			
2,6-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140			
Di-n-octylphthalate	1.19	0.34	mg/Kg wet	1.67		71.3	40-140			
Fluoranthene	0.985	0.17	mg/Kg wet	1.67		59.1	40-140			
Fluorene	1.01	0.17	mg/Kg wet	1.67		60.6	40-140			
Hexachlorobenzene	1.09	0.34	mg/Kg wet	1.67		65.7	40-140			
Hexachlorobutadiene	0.993	0.34	mg/Kg wet	1.67		59.6	40-140			
Hexachlorocyclopentadiene	1.01	0.34	mg/Kg wet	1.67		60.5	30-140			
Hexachloroethane	0.936	0.34	mg/Kg wet	1.67		56.2	40-140			
Indeno(1,2,3-cd)pyrene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140			
Isophorone	1.09	0.34	mg/Kg wet	1.67		65.4	40-140			
2-Methylnaphthalene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140			
2-Methylphenol	0.988	0.34	mg/Kg wet	1.67		59.3	30-130			
3/4-Methylphenol	1.00	0.34	mg/Kg wet	1.67		60.0	30-130			
Naphthalene	0.986	0.17	mg/Kg wet	1.67		59.1	40-140			
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.5	40-140			
3-Nitroaniline	0.952	0.34	mg/Kg wet	1.67		57.1	40-140			†
4-Nitroaniline	0.982	0.34	mg/Kg wet	1.67		58.9	40-140			
Nitrobenzene	0.988	0.34	mg/Kg wet	1.67		59.3	40-140			
2-Nitrophenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130			
4-Nitrophenol	1.02	0.66	mg/Kg wet	1.67		61.4	10-130			
N-Nitrosodiphenylamine	1.33	0.34	mg/Kg wet	1.67		79.7	40-140			
N-Nitrosodi-n-propylamine	1.02	0.34	mg/Kg wet	1.67		61.0	40-140			
Pentachloronitrobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140			
Pentachlorophenol	0.997	0.34	mg/Kg wet	1.67		59.8	30-130			
Phenanthrene	1.09	0.17	mg/Kg wet	1.67		65.7	40-140			
Phenol	0.941	0.34	mg/Kg wet	1.67		56.4	20-130			
Pyrene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Pyridine	0.666	0.34	mg/Kg wet	1.67		40.0	10-140			†
1,2,4,5-Tetrachlorobenzene	0.972	0.34	mg/Kg wet	1.67		58.3	40-140			
1,2,4-Trichlorobenzene	0.989	0.34	mg/Kg wet	1.67		59.4	40-140			
2,4,5-Trichlorophenol	1.03	0.34	mg/Kg wet	1.67		62.0	30-130			
2,4,6-Trichlorophenol	1.06	0.34	mg/Kg wet	1.67		63.9	30-130			
Surrogate: 2-Fluorophenol	*4.07*		mg/Kg wet	6.67		61.1	30-130			
Surrogate: Phenol-d6	*4.04*		mg/Kg wet	6.67		60.6	30-130			
Surrogate: Nitrobenzene-d5	*2.13*		mg/Kg wet	3.33		64.0	30-130			
Surrogate: 2-Fluorobiphenyl	*2.16*		mg/Kg wet	3.33		64.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*4.43*		mg/Kg wet	6.67		66.5	30-130			
Surrogate: p-Terphenyl-d14	*2.54*		mg/Kg wet	3.33		76.2	30-130			
LCS Dup (B195346-BSD1)				Prepared: 01/23/18 Analyzed: 01/25/18						
Acenaphthene	0.954	0.17	mg/Kg wet	1.67		57.2	40-140	8.12	30	
Acenaphthylene	0.933	0.17	mg/Kg wet	1.67		56.0	40-140	6.77	30	
Aniline	0.668	0.34	mg/Kg wet	1.67		40.1	40-140	3.05	50	† ‡
Anthracene	1.01	0.17	mg/Kg wet	1.67		60.7	40-140	8.69	30	
Benzo(a)anthracene	1.00	0.17	mg/Kg wet	1.67		60.1	40-140	7.22	30	
Benzo(a)pyrene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	9.58	30	
Benzo(b)fluoranthene	0.969	0.17	mg/Kg wet	1.67		58.1	40-140	8.81	30	
Benzo(g,h,i)perylene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	9.12	30	
Benzo(k)fluoranthene	0.979	0.17	mg/Kg wet	1.67		58.8	40-140	8.01	30	
Bis(2-chloroethoxy)methane	1.07	0.34	mg/Kg wet	1.67		64.0	40-140	7.57	30	

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546												
LCS Dup (B195346-BSD1)				Prepared: 01/23/18 Analyzed: 01/25/18								
Bis(2-chloroethyl)ether	0.947	0.34	mg/Kg wet	1.67		56.8		40-140	6.87	30		
Bis(2-chloroisopropyl)ether	1.13	0.34	mg/Kg wet	1.67		67.5		40-140	5.95	30		
Bis(2-Ethylhexyl)phthalate	1.14	0.34	mg/Kg wet	1.67		68.7		40-140	5.00	30		
4-Bromophenylphenylether	1.06	0.34	mg/Kg wet	1.67		63.7		40-140	7.50	30		
Butylbenzylphthalate	1.12	0.34	mg/Kg wet	1.67		67.1		40-140	7.46	30		
Carbazole	0.938	0.17	mg/Kg wet	1.67		56.3		40-140	9.64	30		
4-Chloroaniline	0.584	0.66	mg/Kg wet	1.67		**35.0**	*	40-140	7.31	30	L-04, V-34	†
4-Chloro-3-methylphenol	1.00	0.66	mg/Kg wet	1.67		60.3		30-130	9.36	30		
2-Chloronaphthalene	0.816	0.34	mg/Kg wet	1.67		49.0		40-140	16.1	30		
2-Chlorophenol	0.892	0.34	mg/Kg wet	1.67		53.5		30-130	8.17	30		
4-Chlorophenylphenylether	0.997	0.34	mg/Kg wet	1.67		59.8		40-140	4.44	30		
Chrysene	0.995	0.17	mg/Kg wet	1.67		59.7		40-140	8.20	30		
Dibenz(a,h)anthracene	1.04	0.17	mg/Kg wet	1.67		62.7		40-140	11.4	30		
Dibenzofuran	0.965	0.34	mg/Kg wet	1.67		57.9		40-140	8.72	30		
Di-n-butylphthalate	1.02	0.34	mg/Kg wet	1.67		61.5		40-140	7.72	30		
3,3-Dichlorobenzidine	0.727	0.17	mg/Kg wet	1.67		43.6		40-140	5.40	30	V-34	† ‡
2,4-Dichlorophenol	0.921	0.34	mg/Kg wet	1.67		55.2		30-130	6.18	30		
Diethylphthalate	1.00	0.34	mg/Kg wet	1.67		60.0		40-140	6.39	30		
2,4-Dimethylphenol	0.874	0.34	mg/Kg wet	1.67		52.5		30-130	9.51	30		
Dimethylphthalate	0.996	0.34	mg/Kg wet	1.67		59.8		40-140	8.18	50		
4,6-Dinitro-2-methylphenol	0.916	0.34	mg/Kg wet	1.67		55.0		30-130	8.47	50		
2,4-Dinitrophenol	0.643	0.66	mg/Kg wet	1.67		38.6		30-130	18.4	50	V-20	
2,4-Dinitrotoluene	1.06	0.34	mg/Kg wet	1.67		63.4		40-140	7.56	30		
2,6-Dinitrotoluene	1.06	0.34	mg/Kg wet	1.67		63.8		40-140	9.58	30		
Di-n-octylphthalate	1.10	0.34	mg/Kg wet	1.67		65.8		40-140	8.05	30		
Fluoranthene	0.879	0.17	mg/Kg wet	1.67		52.8		40-140	11.3	30		
Fluorene	0.958	0.17	mg/Kg wet	1.67		57.5		40-140	5.28	30		
Hexachlorobenzene	1.00	0.34	mg/Kg wet	1.67		60.1		40-140	8.84	30		
Hexachlorobutadiene	0.911	0.34	mg/Kg wet	1.67		54.7		40-140	8.58	30		
Hexachlorocyclopentadiene	0.933	0.34	mg/Kg wet	1.67		56.0		30-140	7.79	50		
Hexachloroethane	0.884	0.34	mg/Kg wet	1.67		53.1		40-140	5.71	50		
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6		40-140	10.9	30		
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6		40-140	10.9	50		
Isophorone	1.01	0.34	mg/Kg wet	1.67		60.7		40-140	7.42	30		
2-Methylnaphthalene	1.02	0.17	mg/Kg wet	1.67		61.4		40-140	9.01	30		
2-Methylphenol	0.927	0.34	mg/Kg wet	1.67		55.6		30-130	6.41	30		
3/4-Methylphenol	0.939	0.34	mg/Kg wet	1.67		56.3		30-130	6.36	30		
Naphthalene	0.905	0.17	mg/Kg wet	1.67		54.3		40-140	8.50	30		
2-Nitroaniline	1.24	0.34	mg/Kg wet	1.67		74.5		40-140	7.85	30		
3-Nitroaniline	0.867	0.34	mg/Kg wet	1.67		52.0		40-140	9.35	30		†
4-Nitroaniline	0.956	0.34	mg/Kg wet	1.67		57.4		40-140	2.68	30		
Nitrobenzene	0.918	0.34	mg/Kg wet	1.67		55.1		40-140	7.38	30		
2-Nitrophenol	0.996	0.34	mg/Kg wet	1.67		59.8		30-130	7.91	30		
4-Nitrophenol	0.917	0.66	mg/Kg wet	1.67		55.0		10-130	11.0	50		‡
N-Nitrosodiphenylamine	1.23	0.34	mg/Kg wet	1.67		73.9		40-140	7.60	30		
N-Nitrosodi-n-propylamine	0.966	0.34	mg/Kg wet	1.67		57.9		40-140	5.15	30		
Pentachloronitrobenzene	1.03	0.34	mg/Kg wet	1.67		61.7		40-140	8.17	30		
Pentachlorophenol	0.899	0.34	mg/Kg wet	1.67		53.9		30-130	10.4	50		
Phenanthrene	1.01	0.17	mg/Kg wet	1.67		60.5		40-140	8.18	30		
Phenol	0.872	0.34	mg/Kg wet	1.67		52.3		20-130	7.54	30		
Pyrene	1.11	0.17	mg/Kg wet	1.67		66.7		40-140	8.63	30		
Pyridine	0.609	0.34	mg/Kg wet	1.67		36.5		10-140	9.05	50		†

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546											
LCS Dup (B195346-BSD1)				Prepared: 01/23/18 Analyzed: 01/25/18							
1,2,4,5-Tetrachlorobenzene	0.893	0.34	mg/Kg wet	1.67		53.6		40-140	8.47	30	
1,2,4-Trichlorobenzene	0.896	0.34	mg/Kg wet	1.67		53.8		40-140	9.90	30	
2,4,5-Trichlorophenol	0.950	0.34	mg/Kg wet	1.67		57.0		30-130	8.37	30	
2,4,6-Trichlorophenol	0.972	0.34	mg/Kg wet	1.67		58.3		30-130	9.10	50	
Surrogate: 2-Fluorophenol	*3.68*		mg/Kg wet	6.67		55.3		30-130			
Surrogate: Phenol-d6	*3.77*		mg/Kg wet	6.67		56.5		30-130			
Surrogate: Nitrobenzene-d5	*1.98*		mg/Kg wet	3.33		59.4		30-130			
Surrogate: 2-Fluorobiphenyl	*1.98*		mg/Kg wet	3.33		59.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*4.23*		mg/Kg wet	6.67		63.5		30-130			
Surrogate: p-Terphenyl-d14	*2.40*		mg/Kg wet	3.33		72.0		30-130			
Matrix Spike (B195346-MS1)	**Source: 18A0655-01**			Prepared: 01/23/18 Analyzed: 01/25/18							
Acenaphthene	1.10	0.20	mg/Kg dry	1.94	ND	56.6		40-140			
Acenaphthylene	0.889	0.20	mg/Kg dry	1.94	ND	45.9		40-140			
Aniline	0.623	0.39	mg/Kg dry	1.94	ND	**32.2**	*	40-140			MS-23, R-06
Anthracene	1.56	0.20	mg/Kg dry	1.94	ND	80.6		40-140			R-06
Benzo(a)anthracene	2.13	0.20	mg/Kg dry	1.94	ND	110		40-140			R-06
Benzo(a)pyrene	1.93	0.20	mg/Kg dry	1.94	ND	99.8		40-140			R-06
Benzo(b)fluoranthene	2.04	0.20	mg/Kg dry	1.94	ND	105		40-140			R-06
Benzo(g,h,i)perylene	1.53	0.20	mg/Kg dry	1.94	ND	78.9		40-140			
Benzo(k)fluoranthene	1.46	0.20	mg/Kg dry	1.94	ND	75.6		40-140			R-06
Bis(2-chloroethoxy)methane	1.02	0.39	mg/Kg dry	1.94	ND	52.7		40-140			
Bis(2-chloroethyl)ether	0.940	0.39	mg/Kg dry	1.94	ND	48.6		40-140			
Bis(2-chloroisopropyl)ether	0.936	0.39	mg/Kg dry	1.94	ND	48.4		40-140			
Bis(2-Ethylhexyl)phthalate	1.02	0.39	mg/Kg dry	1.94	ND	52.6		40-140			
4-Bromophenylphenylether	1.04	0.39	mg/Kg dry	1.94	ND	53.8		40-140			
Butylbenzylphthalate	1.03	0.39	mg/Kg dry	1.94	ND	53.4		40-140			
Carbazole	1.18	0.20	mg/Kg dry	1.94	ND	61.0		40-140			
4-Chloroaniline	0.655	0.77	mg/Kg dry	1.94	ND	**33.9**	*	40-140			MS-08
4-Chloro-3-methylphenol	0.947	0.77	mg/Kg dry	1.94	ND	49.0		30-130			
2-Chloronaphthalene	0.826	0.39	mg/Kg dry	1.94	ND	42.7		40-140			
2-Chlorophenol	0.857	0.39	mg/Kg dry	1.94	ND	44.3		30-130			
4-Chlorophenylphenylether	0.957	0.39	mg/Kg dry	1.94	ND	49.4		40-140			
Chrysene	1.99	0.20	mg/Kg dry	1.94	ND	103		40-140			R-06
Dibenz(a,h)anthracene	1.11	0.20	mg/Kg dry	1.94	ND	57.5		40-140			
Dibenzofuran	1.08	0.39	mg/Kg dry	1.94	ND	55.6		40-140			
Di-n-butylphthalate	1.07	0.39	mg/Kg dry	1.94	ND	55.2		40-140			
3,3-Dichlorobenzidine	0.729	0.20	mg/Kg dry	1.94	ND	**37.7**	*	40-140			MS-08
2,4-Dichlorophenol	0.930	0.39	mg/Kg dry	1.94	ND	48.1		30-130			
Diethylphthalate	0.975	0.39	mg/Kg dry	1.94	ND	50.4		40-140			
2,4-Dimethylphenol	0.942	0.39	mg/Kg dry	1.94	ND	48.7		30-130			
Dimethylphthalate	0.964	0.39	mg/Kg dry	1.94	ND	49.8		40-140			
4,6-Dinitro-2-methylphenol	0.860	0.39	mg/Kg dry	1.94	ND	44.4		30-130			
2,4-Dinitrophenol	0.785	0.77	mg/Kg dry	1.94	ND	40.6		30-130			
2,4-Dinitrotoluene	0.941	0.39	mg/Kg dry	1.94	ND	48.6		40-140			
2,6-Dinitrotoluene	0.978	0.39	mg/Kg dry	1.94	ND	50.6		40-140			
Di-n-octylphthalate	1.07	0.39	mg/Kg dry	1.94	ND	55.1		40-140			
Fluoranthene	3.64	0.20	mg/Kg dry	1.94	ND	**188**	*	40-140			MS-23
Fluorene	1.16	0.20	mg/Kg dry	1.94	ND	59.9		40-140			
Hexachlorobenzene	0.966	0.39	mg/Kg dry	1.94	ND	49.9		40-140			
Hexachlorobutadiene	0.828	0.39	mg/Kg dry	1.94	ND	42.8		40-140			
Hexachlorocyclopentadiene	0.706	0.39	mg/Kg dry	1.94	ND	**36.5**	*	40-140			MS-22

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546											
Matrix Spike (B195346-MS1)	**Source: 18A0655-01**			Prepared: 01/23/18 Analyzed: 01/25/18							
Hexachloroethane	0.757	0.39	mg/Kg dry	1.94	ND	**39.1**	*	40-140			MS-22
Indeno(1,2,3-cd)pyrene	1.66	0.20	mg/Kg dry	1.94	ND	85.8		40-140			R-06
Isophorone	0.966	0.39	mg/Kg dry	1.94	ND	49.9		40-140			
2-Methylnaphthalene	0.987	0.20	mg/Kg dry	1.94	ND	51.0		40-140			
2-Methylphenol	0.793	0.39	mg/Kg dry	1.94	ND	41.0		30-130			
3/4-Methylphenol	0.916	0.39	mg/Kg dry	1.94	ND	47.3		30-130			
Naphthalene	0.851	0.20	mg/Kg dry	1.94	ND	44.0		40-140			
2-Nitroaniline	0.968	0.39	mg/Kg dry	1.94	ND	50.0		40-140			
3-Nitroaniline	0.782	0.39	mg/Kg dry	1.94	ND	40.4		40-140			
4-Nitroaniline	0.832	0.39	mg/Kg dry	1.94	ND	43.0		40-140			
Nitrobenzene	0.872	0.39	mg/Kg dry	1.94	ND	45.1		40-140			
2-Nitrophenol	0.874	0.39	mg/Kg dry	1.94	ND	45.2		30-130			
4-Nitrophenol	0.982	0.77	mg/Kg dry	1.94	ND	50.8		30-130			
N-Nitrosodiphenylamine	1.20	0.39	mg/Kg dry	1.94	ND	61.8		40-140			
N-Nitrosodi-n-propylamine	0.896	0.39	mg/Kg dry	1.94	ND	46.3		40-140			
Pentachloronitrobenzene	0.938	0.39	mg/Kg dry	1.94	ND	48.5		40-140			
Pentachlorophenol	0.430	0.39	mg/Kg dry	1.94	ND	**22.2**	*	30-130			MS-23
Phenanthrene	3.07	0.20	mg/Kg dry	1.94	ND	**159**	*	40-140			MS-23
Phenol	0.958	0.39	mg/Kg dry	1.94	ND	49.5		30-130			
Pyrene	2.97	0.20	mg/Kg dry	1.94	ND	**154**	*	40-140			MS-23
Pyridine	0.580	0.39	mg/Kg dry	1.94	ND	**30.0**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	0.853	0.39	mg/Kg dry	1.94	ND	44.1		40-140			
1,2,4-Trichlorobenzene	0.834	0.39	mg/Kg dry	1.94	ND	43.1		40-140			
2,4,5-Trichlorophenol	0.829	0.39	mg/Kg dry	1.94	ND	42.8		30-130			
2,4,6-Trichlorophenol	0.918	0.39	mg/Kg dry	1.94	ND	47.5		30-130			
Surrogate: 2-Fluorophenol	*3.63*		mg/Kg dry	7.74		46.8		30-130			
Surrogate: Phenol-d6	*3.86*		mg/Kg dry	7.74		49.8		30-130			
Surrogate: Nitrobenzene-d5	*1.85*		mg/Kg dry	3.87		47.7		30-130			
Surrogate: 2-Fluorobiphenyl	*1.95*		mg/Kg dry	3.87		50.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*3.78*		mg/Kg dry	7.74		48.9		30-130			
Surrogate: p-Terphenyl-d14	*2.14*		mg/Kg dry	3.87		55.3		30-130			
Matrix Spike (B195346-MS2)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/25/18							
Acenaphthene	1.59	0.20	mg/Kg dry	1.98	0.237	68.5		40-140			
Acenaphthylene	1.18	0.20	mg/Kg dry	1.98	ND	59.8		40-140			
Aniline	0.302	0.40	mg/Kg dry	1.98	ND	**15.2**	*	40-140			MS-09
Anthracene	1.78	0.20	mg/Kg dry	1.98	0.381	70.5		40-140			
Benzo(a)anthracene	3.07	0.20	mg/Kg dry	1.98	1.25	91.9		40-140			
Benzo(a)pyrene	3.10	0.20	mg/Kg dry	1.98	1.24	93.9		40-140			
Benzo(b)fluoranthene	3.65	0.20	mg/Kg dry	1.98	1.61	103		40-140			
Benzo(g,h,i)perylene	2.10	0.20	mg/Kg dry	1.98	0.672	72.0		40-140			
Benzo(k)fluoranthene	2.17	0.20	mg/Kg dry	1.98	0.637	77.3		40-140			
Bis(2-chloroethoxy)methane	1.32	0.40	mg/Kg dry	1.98	ND	66.5		40-140			
Bis(2-chloroethyl)ether	1.26	0.40	mg/Kg dry	1.98	ND	63.7		40-140			
Bis(2-chloroisopropyl)ether	1.26	0.40	mg/Kg dry	1.98	ND	63.6		40-140			
Bis(2-Ethylhexyl)phthalate	1.33	0.40	mg/Kg dry	1.98	ND	67.1		40-140			
4-Bromophenylphenylether	1.26	0.40	mg/Kg dry	1.98	ND	63.5		40-140			
Butylbenzylphthalate	1.33	0.40	mg/Kg dry	1.98	ND	67.3		40-140			
Carbazole	1.50	0.20	mg/Kg dry	1.98	0.180	66.8		40-140			
4-Chloroaniline	0.492	0.78	mg/Kg dry	1.98	ND	**24.9**	*	40-140			MS-09
4-Chloro-3-methylphenol	1.24	0.78	mg/Kg dry	1.98	ND	62.7		30-130			
2-Chloronaphthalene	1.14	0.40	mg/Kg dry	1.98	ND	57.7		40-140			

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546											
Matrix Spike (B195346-MS2)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/25/18							
2-Chlorophenol	1.14	0.40	mg/Kg dry	1.98	ND	57.5		30-130			
4-Chlorophenylphenylether	1.28	0.40	mg/Kg dry	1.98	ND	64.7		40-140			
Chrysene	2.99	0.20	mg/Kg dry	1.98	1.21	89.5		40-140			
Dibenz(a,h)anthracene	1.38	0.20	mg/Kg dry	1.98	0.132	62.8		40-140			
Dibenzofuran	1.37	0.40	mg/Kg dry	1.98	0.0788	65.0		40-140			
Di-n-butylphthalate	1.36	0.40	mg/Kg dry	1.98	ND	68.6		40-140			
3,3-Dichlorobenzidine	0.173	0.20	mg/Kg dry	1.98	ND	**8.76**	*	40-140			MS-09, R-06
2,4-Dichlorophenol	1.21	0.40	mg/Kg dry	1.98	ND	61.1		30-130			
Diethylphthalate	1.30	0.40	mg/Kg dry	1.98	ND	65.6		40-140			
2,4-Dimethylphenol	1.24	0.40	mg/Kg dry	1.98	ND	62.8		30-130			
Dimethylphthalate	1.26	0.40	mg/Kg dry	1.98	ND	63.9		40-140			
4,6-Dinitro-2-methylphenol	0.989	0.40	mg/Kg dry	1.98	ND	50.0		30-130			
2,4-Dinitrophenol	1.09	0.78	mg/Kg dry	1.98	ND	55.2		30-130			
2,4-Dinitrotoluene	1.25	0.40	mg/Kg dry	1.98	ND	63.3		40-140			
2,6-Dinitrotoluene	1.29	0.40	mg/Kg dry	1.98	ND	65.0		40-140			
Di-n-octylphthalate	1.64	0.40	mg/Kg dry	1.98	ND	82.6		40-140			
Fluoranthene	5.47	0.20	mg/Kg dry	1.98	2.74	138		40-140			
Fluorene	1.50	0.20	mg/Kg dry	1.98	0.162	67.5		40-140			
Hexachlorobenzene	1.22	0.40	mg/Kg dry	1.98	ND	61.8		40-140			
Hexachlorobutadiene	1.13	0.40	mg/Kg dry	1.98	ND	57.0		40-140			
Hexachlorocyclopentadiene	0.461	0.40	mg/Kg dry	1.98	ND	**23.3**	*	40-140			MS-09
Hexachloroethane	1.00	0.40	mg/Kg dry	1.98	ND	50.6		40-140			
Indeno(1,2,3-cd)pyrene	2.21	0.20	mg/Kg dry	1.98	0.722	75.0		40-140			
Isophorone	1.30	0.40	mg/Kg dry	1.98	ND	65.5		40-140			
2-Methylnaphthalene	1.30	0.20	mg/Kg dry	1.98	ND	65.7		40-140			
2-Methylphenol	1.08	0.40	mg/Kg dry	1.98	ND	54.6		30-130			
3/4-Methylphenol	1.21	0.40	mg/Kg dry	1.98	ND	61.1		30-130			
Naphthalene	1.21	0.20	mg/Kg dry	1.98	ND	61.4		40-140			
2-Nitroaniline	1.29	0.40	mg/Kg dry	1.98	ND	65.0		40-140			
3-Nitroaniline	0.660	0.40	mg/Kg dry	1.98	ND	**33.3**	*	40-140			MS-09
4-Nitroaniline	0.934	0.40	mg/Kg dry	1.98	ND	47.2		40-140			
Nitrobenzene	1.17	0.40	mg/Kg dry	1.98	ND	59.0		40-140			
2-Nitrophenol	1.16	0.40	mg/Kg dry	1.98	ND	58.6		30-130			
4-Nitrophenol	1.44	0.78	mg/Kg dry	1.98	ND	72.6		30-130			
N-Nitrosodiphenylamine	1.42	0.40	mg/Kg dry	1.98	ND	72.0		40-140			
N-Nitrosodi-n-propylamine	1.17	0.40	mg/Kg dry	1.98	ND	59.3		40-140			
Pentachloronitrobenzene	1.22	0.40	mg/Kg dry	1.98	ND	61.6		40-140			
Pentachlorophenol	0.841	0.40	mg/Kg dry	1.98	ND	42.5		30-130			
Phenanthrene	3.37	0.20	mg/Kg dry	1.98	1.50	94.6		40-140			
Phenol	1.19	0.40	mg/Kg dry	1.98	ND	60.4		30-130			
Pyrene	4.64	0.20	mg/Kg dry	1.98	2.26	120		40-140			
Pyridine	0.819	0.40	mg/Kg dry	1.98	ND	41.4		40-140			
1,2,4,5-Tetrachlorobenzene	1.14	0.40	mg/Kg dry	1.98	ND	57.6		40-140			
1,2,4-Trichlorobenzene	1.14	0.40	mg/Kg dry	1.98	ND	57.4		40-140			
2,4,5-Trichlorophenol	1.11	0.40	mg/Kg dry	1.98	ND	56.1		30-130			
2,4,6-Trichlorophenol	1.22	0.40	mg/Kg dry	1.98	ND	61.6		30-130			
Surrogate: 2-Fluorophenol	*4.86*		mg/Kg dry	7.92		61.3		30-130			
Surrogate: Phenol-d6	*5.04*		mg/Kg dry	7.92		63.6		30-130			
Surrogate: Nitrobenzene-d5	*2.45*		mg/Kg dry	3.96		61.9		30-130			
Surrogate: 2-Fluorobiphenyl	*2.51*		mg/Kg dry	3.96		63.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*5.61*		mg/Kg dry	7.92		70.9		30-130			
Surrogate: p-Terphenyl-d14	*2.76*		mg/Kg dry	3.96		69.7		30-130			

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546											
Matrix Spike Dup (B195346-MSD1)	**Source: 18A0655-01**			Prepared: 01/23/18 Analyzed: 01/25/18							
Acenaphthene	1.06	0.20	mg/Kg dry	1.94	ND	54.8	40-140	3.19		30	
Acenaphthylene	0.995	0.20	mg/Kg dry	1.94	ND	51.4	40-140	11.3		30	
Aniline	0.865	0.39	mg/Kg dry	1.94	ND	44.7	40-140	**32.6**	*	30	R-06
Anthracene	1.10	0.20	mg/Kg dry	1.94	ND	56.9	40-140	**34.4**	*	30	R-06
Benzo(a)anthracene	1.14	0.20	mg/Kg dry	1.94	ND	58.8	40-140	**60.6**	*	30	R-06
Benzo(a)pyrene	1.15	0.20	mg/Kg dry	1.94	ND	59.4	40-140	**50.7**	*	30	R-06
Benzo(b)fluoranthene	1.11	0.20	mg/Kg dry	1.94	ND	57.5	40-140	**58.7**	*	30	R-06
Benzo(g,h,i)perylene	1.13	0.20	mg/Kg dry	1.94	ND	58.5	40-140	29.6		30	
Benzo(k)fluoranthene	1.08	0.20	mg/Kg dry	1.94	ND	55.8	40-140	**30.2**	*	30	R-06
Bis(2-chloroethoxy)methane	1.14	0.39	mg/Kg dry	1.94	ND	58.7	40-140	10.8		30	
Bis(2-chloroethyl)ether	1.07	0.39	mg/Kg dry	1.94	ND	55.1	40-140	12.7		30	
Bis(2-chloroisopropyl)ether	1.10	0.39	mg/Kg dry	1.94	ND	56.8	40-140	15.9		30	
Bis(2-Ethylhexyl)phthalate	1.12	0.39	mg/Kg dry	1.94	ND	58.1	40-140	9.83		30	
4-Bromophenylphenylether	1.11	0.39	mg/Kg dry	1.94	ND	57.2	40-140	6.17		30	
Butylbenzylphthalate	1.12	0.39	mg/Kg dry	1.94	ND	57.7	40-140	7.63		30	
Carbazole	1.07	0.20	mg/Kg dry	1.94	ND	55.4	40-140	9.55		30	
4-Chloroaniline	0.834	0.77	mg/Kg dry	1.94	ND	43.1	40-140	24.1		30	
4-Chloro-3-methylphenol	1.05	0.77	mg/Kg dry	1.94	ND	54.4	30-130	10.6		30	
2-Chloronaphthalene	0.881	0.39	mg/Kg dry	1.94	ND	45.5	40-140	6.48		30	
2-Chlorophenol	0.994	0.39	mg/Kg dry	1.94	ND	51.4	30-130	14.8		30	
4-Chlorophenylphenylether	1.07	0.39	mg/Kg dry	1.94	ND	55.5	40-140	11.6		30	
Chrysene	1.13	0.20	mg/Kg dry	1.94	ND	58.3	40-140	**55.3**	*	30	R-06
Dibenz(a,h)anthracene	1.11	0.20	mg/Kg dry	1.94	ND	57.2	40-140	0.523		30	
Dibenzofuran	1.06	0.39	mg/Kg dry	1.94	ND	54.7	40-140	1.60		30	
Di-n-butylphthalate	1.17	0.39	mg/Kg dry	1.94	ND	60.4	40-140	9.13		30	
3,3-Dichlorobenzidine	0.908	0.20	mg/Kg dry	1.94	ND	46.9	40-140	21.9		30	
2,4-Dichlorophenol	1.02	0.39	mg/Kg dry	1.94	ND	52.5	30-130	8.75		30	
Diethylphthalate	1.08	0.39	mg/Kg dry	1.94	ND	55.7	40-140	10.1		30	
2,4-Dimethylphenol	1.03	0.39	mg/Kg dry	1.94	ND	53.5	30-130	9.44		30	
Dimethylphthalate	1.09	0.39	mg/Kg dry	1.94	ND	56.1	40-140	11.9		30	
4,6-Dinitro-2-methylphenol	0.933	0.39	mg/Kg dry	1.94	ND	48.2	30-130	8.12		30	
2,4-Dinitrophenol	0.844	0.77	mg/Kg dry	1.94	ND	43.6	30-130	7.18		30	
2,4-Dinitrotoluene	1.08	0.39	mg/Kg dry	1.94	ND	55.8	40-140	13.7		30	
2,6-Dinitrotoluene	1.08	0.39	mg/Kg dry	1.94	ND	55.8	40-140	9.85		30	
Di-n-octylphthalate	1.18	0.39	mg/Kg dry	1.94	ND	60.9	40-140	9.93		30	
Fluoranthene	1.23	0.20	mg/Kg dry	1.94	ND	63.4	40-140	**99.1**	*	30	R-06
Fluorene	1.09	0.20	mg/Kg dry	1.94	ND	56.3	40-140	6.20		30	
Hexachlorobenzene	1.09	0.39	mg/Kg dry	1.94	ND	56.2	40-140	11.8		30	
Hexachlorobutadiene	0.955	0.39	mg/Kg dry	1.94	ND	49.4	40-140	14.3		30	
Hexachlorocyclopentadiene	0.877	0.39	mg/Kg dry	1.94	ND	45.3	40-140	21.6		30	
Hexachloroethane	0.917	0.39	mg/Kg dry	1.94	ND	47.4	40-140	19.1		30	
Indeno(1,2,3-cd)pyrene	1.17	0.20	mg/Kg dry	1.94	ND	60.4	40-140	**34.8**	*	30	R-06
Isophorone	1.11	0.39	mg/Kg dry	1.94	ND	57.5	40-140	14.2		30	
2-Methylnaphthalene	1.07	0.20	mg/Kg dry	1.94	ND	55.4	40-140	8.20		30	
2-Methylphenol	0.917	0.39	mg/Kg dry	1.94	ND	47.4	30-130	14.4		30	
3/4-Methylphenol	1.00	0.39	mg/Kg dry	1.94	ND	51.8	30-130	9.07		30	
Naphthalene	0.985	0.20	mg/Kg dry	1.94	ND	50.9	40-140	14.7		30	
2-Nitroaniline	1.05	0.39	mg/Kg dry	1.94	ND	54.2	40-140	8.14		30	
3-Nitroaniline	0.967	0.39	mg/Kg dry	1.94	ND	50.0	40-140	21.2		30	
4-Nitroaniline	1.03	0.39	mg/Kg dry	1.94	ND	53.3	40-140	21.4		30	
Nitrobenzene	0.985	0.39	mg/Kg dry	1.94	ND	50.9	40-140	12.1		30	
2-Nitrophenol	0.959	0.39	mg/Kg dry	1.94	ND	49.6	30-130	9.29		30	

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546												
Matrix Spike Dup (B195346-MSD1)	**Source: 18A0655-01**			Prepared: 01/23/18 Analyzed: 01/25/18								
4-Nitrophenol	1.12	0.77	mg/Kg dry	1.94	ND	57.6		30-130	12.7		30	
N-Nitrosodiphenylamine	1.27	0.39	mg/Kg dry	1.94	ND	65.8		40-140	6.27		30	
N-Nitrosodi-n-propylamine	1.00	0.39	mg/Kg dry	1.94	ND	51.8		40-140	11.1		30	
Pentachloronitrobenzene	1.07	0.39	mg/Kg dry	1.94	ND	55.2		40-140	13.0		30	
Pentachlorophenol	0.662	0.39	mg/Kg dry	1.94	ND	34.2		30-130	**42.4**	*	30	R-06
Phenanthrene	1.14	0.20	mg/Kg dry	1.94	ND	58.8		40-140	**91.9**	*	30	R-06
Phenol	1.07	0.39	mg/Kg dry	1.94	ND	55.1		30-130	10.7		30	
Pyrene	1.14	0.20	mg/Kg dry	1.94	ND	58.9		40-140	**89.2**	*	30	R-06
Pyridine	0.741	0.39	mg/Kg dry	1.94	ND	**38.3**	*	40-140	24.4		30	MS-09
1,2,4,5-Tetrachlorobenzene	0.985	0.39	mg/Kg dry	1.94	ND	50.9		40-140	14.3		30	
1,2,4-Trichlorobenzene	0.954	0.39	mg/Kg dry	1.94	ND	49.3		40-140	13.5		30	
2,4,5-Trichlorophenol	0.950	0.39	mg/Kg dry	1.94	ND	49.1		30-130	13.6		30	
2,4,6-Trichlorophenol	1.01	0.39	mg/Kg dry	1.94	ND	52.4		30-130	9.86		30	
Surrogate: 2-Fluorophenol	*4.25*		mg/Kg dry	7.74		54.9		30-130				
Surrogate: Phenol-d6	*4.28*		mg/Kg dry	7.74		55.2		30-130				
Surrogate: Nitrobenzene-d5	*2.13*		mg/Kg dry	3.87		55.0		30-130				
Surrogate: 2-Fluorobiphenyl	*2.18*		mg/Kg dry	3.87		56.3		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.39*		mg/Kg dry	7.74		56.6		30-130				
Surrogate: p-Terphenyl-d14	*2.31*		mg/Kg dry	3.87		59.7		30-130				
Matrix Spike Dup (B195346-MSD2)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/25/18								
Acenaphthene	1.58	0.20	mg/Kg dry	1.98	0.237	67.6		40-140	1.02		30	
Acenaphthylene	1.09	0.20	mg/Kg dry	1.98	ND	54.9		40-140	8.55		30	
Aniline	0.346	0.40	mg/Kg dry	1.98	ND	**17.5**	*	40-140	13.8		30	MS-09
Anthracene	1.85	0.20	mg/Kg dry	1.98	0.381	74.0		40-140	3.80		30	
Benzo(a)anthracene	2.92	0.20	mg/Kg dry	1.98	1.25	84.7		40-140	4.78		30	
Benzo(a)pyrene	2.91	0.20	mg/Kg dry	1.98	1.24	84.0		40-140	6.52		30	
Benzo(b)fluoranthene	3.41	0.20	mg/Kg dry	1.98	1.61	91.2		40-140	6.72		30	
Benzo(g,h,i)perylene	1.72	0.20	mg/Kg dry	1.98	0.672	52.9		40-140	19.8		30	
Benzo(k)fluoranthene	2.08	0.20	mg/Kg dry	1.98	0.637	73.0		40-140	3.95		30	
Bis(2-chloroethoxy)methane	1.23	0.40	mg/Kg dry	1.98	ND	61.9		40-140	7.13		30	
Bis(2-chloroethyl)ether	1.11	0.40	mg/Kg dry	1.98	ND	56.3		40-140	12.3		30	
Bis(2-chloroisopropyl)ether	1.15	0.40	mg/Kg dry	1.98	ND	58.2		40-140	8.80		30	
Bis(2-Ethylhexyl)phthalate	1.27	0.40	mg/Kg dry	1.98	ND	64.3		40-140	4.26		30	
4-Bromophenylphenylether	1.23	0.40	mg/Kg dry	1.98	ND	62.0		40-140	2.42		30	
Butylbenzylphthalate	1.23	0.40	mg/Kg dry	1.98	ND	62.1		40-140	8.13		30	
Carbazole	1.42	0.20	mg/Kg dry	1.98	0.180	62.5		40-140	5.78		30	
4-Chloroaniline	0.512	0.78	mg/Kg dry	1.98	ND	**25.9**	*	40-140	3.94		30	MS-09
4-Chloro-3-methylphenol	1.09	0.78	mg/Kg dry	1.98	ND	55.2		30-130	12.8		30	
2-Chloronaphthalene	1.11	0.40	mg/Kg dry	1.98	ND	56.0		40-140	3.03		30	
2-Chlorophenol	1.04	0.40	mg/Kg dry	1.98	ND	52.5		30-130	9.12		30	
4-Chlorophenylphenylether	1.16	0.40	mg/Kg dry	1.98	ND	58.7		40-140	9.72		30	
Chrysene	2.88	0.20	mg/Kg dry	1.98	1.21	84.4		40-140	3.49		30	
Dibenz(a,h)anthracene	1.18	0.20	mg/Kg dry	1.98	0.132	52.7		40-140	15.6		30	
Dibenzofuran	1.32	0.40	mg/Kg dry	1.98	0.0788	62.9		40-140	3.21		30	
Di-n-butylphthalate	1.26	0.40	mg/Kg dry	1.98	ND	63.9		40-140	7.07		30	
3,3-Dichlorobenzidine	0.383	0.20	mg/Kg dry	1.98	ND	**19.4**	*	40-140	**75.4**	*	30	MS-09, R-06
2,4-Dichlorophenol	1.10	0.40	mg/Kg dry	1.98	ND	55.4		30-130	9.75		30	
Diethylphthalate	1.16	0.40	mg/Kg dry	1.98	ND	58.8		40-140	10.8		30	
2,4-Dimethylphenol	1.11	0.40	mg/Kg dry	1.98	ND	55.8		30-130	11.7		30	
Dimethylphthalate	1.16	0.40	mg/Kg dry	1.98	ND	58.4		40-140	9.03		30	
4,6-Dinitro-2-methylphenol	0.919	0.40	mg/Kg dry	1.98	ND	46.5		30-130	7.26		30	

con-test® ANALYTICAL LABORATORY
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 B195346 - SW-846 3546											
Matrix Spike Dup (B195346-MSD2)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/25/18							
2,4-Dinitrophenol	0.883	0.78	mg/Kg dry	1.98	ND	44.6		30-130	21.2	30	
2,4-Dinitrotoluene	1.10	0.40	mg/Kg dry	1.98	ND	55.5		40-140	13.1	30	
2,6-Dinitrotoluene	1.13	0.40	mg/Kg dry	1.98	ND	57.3		40-140	12.6	30	
Di-n-octylphthalate	1.48	0.40	mg/Kg dry	1.98	ND	74.8		40-140	9.96	30	
Fluoranthene	5.29	0.20	mg/Kg dry	1.98	2.74	129		40-140	3.36	30	
Fluorene	1.46	0.20	mg/Kg dry	1.98	0.162	65.8		40-140	2.35	30	
Hexachlorobenzene	1.18	0.40	mg/Kg dry	1.98	ND	59.6		40-140	3.59	30	
Hexachlorobutadiene	1.05	0.40	mg/Kg dry	1.98	ND	53.1		40-140	7.16	30	
Hexachlorocyclopentadiene	0.618	0.40	mg/Kg dry	1.98	ND	**31.2**	*	40-140	29.2	30	MS-09
Hexachloroethane	0.927	0.40	mg/Kg dry	1.98	ND	46.9		40-140	7.75	30	
Indeno(1,2,3-cd)pyrene	1.88	0.20	mg/Kg dry	1.98	0.722	58.4		40-140	16.1	30	
Isophorone	1.16	0.40	mg/Kg dry	1.98	ND	58.4		40-140	11.4	30	
2-Methylnaphthalene	1.20	0.20	mg/Kg dry	1.98	ND	60.8		40-140	7.78	30	
2-Methylphenol	0.937	0.40	mg/Kg dry	1.98	ND	47.4		30-130	14.2	30	
3/4-Methylphenol	1.05	0.40	mg/Kg dry	1.98	ND	53.2		30-130	13.7	30	
Naphthalene	1.14	0.20	mg/Kg dry	1.98	ND	57.5		40-140	6.43	30	
2-Nitroaniline	1.12	0.40	mg/Kg dry	1.98	ND	56.7		40-140	13.6	30	
3-Nitroaniline	0.752	0.40	mg/Kg dry	1.98	ND	**38.0**	*	40-140	13.0	30	MS-09
4-Nitroaniline	0.955	0.40	mg/Kg dry	1.98	ND	48.3		40-140	2.30	30	
Nitrobenzene	1.06	0.40	mg/Kg dry	1.98	ND	53.5		40-140	9.77	30	
2-Nitrophenol	1.05	0.40	mg/Kg dry	1.98	ND	53.0		30-130	10.0	30	
4-Nitrophenol	1.18	0.78	mg/Kg dry	1.98	ND	59.6		30-130	19.5	30	
N-Nitrosodiphenylamine	1.38	0.40	mg/Kg dry	1.98	ND	69.8		40-140	3.02	30	
N-Nitrosodi-n-propylamine	1.09	0.40	mg/Kg dry	1.98	ND	54.8		40-140	7.75	30	
Pentachloronitrobenzene	1.17	0.40	mg/Kg dry	1.98	ND	59.3		40-140	3.77	30	
Pentachlorophenol	0.734	0.40	mg/Kg dry	1.98	ND	37.1		30-130	13.6	30	
Phenanthrene	3.85	0.20	mg/Kg dry	1.98	1.50	119		40-140	13.2	30	
Phenol	1.08	0.40	mg/Kg dry	1.98	ND	54.7		30-130	9.91	30	
Pyrene	4.51	0.20	mg/Kg dry	1.98	2.26	114		40-140	2.80	30	
Pyridine	0.759	0.40	mg/Kg dry	1.98	ND	**38.3**	*	40-140	7.63	30	MS-22
1,2,4,5-Tetrachlorobenzene	1.08	0.40	mg/Kg dry	1.98	ND	54.7		40-140	5.06	30	
1,2,4-Trichlorobenzene	1.05	0.40	mg/Kg dry	1.98	ND	52.9		40-140	8.05	30	
2,4,5-Trichlorophenol	1.02	0.40	mg/Kg dry	1.98	ND	51.3		30-130	8.79	30	
2,4,6-Trichlorophenol	1.14	0.40	mg/Kg dry	1.98	ND	57.5		30-130	6.89	30	
Surrogate: 2-Fluorophenol	*4.42*		mg/Kg dry	7.92		55.9		30-130			
Surrogate: Phenol-d6	*4.46*		mg/Kg dry	7.92		56.3		30-130			
Surrogate: Nitrobenzene-d5	*2.17*		mg/Kg dry	3.96		54.9		30-130			
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/Kg dry	3.96		59.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*4.88*		mg/Kg dry	7.92		61.6		30-130			
Surrogate: p-Terphenyl-d14	*2.51*		mg/Kg dry	3.96		63.5		30-130			
Batch B195626 - SW-846 3510C											
Blank (B195626-BLK1)				Prepared: 01/25/18 Analyzed: 01/26/18							
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								

con-test® ANALYTICAL LABORATORY
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 B195626 - SW-846 3510C										
Blank (B195626-BLK1)				Prepared: 01/25/18 Analyzed: 01/26/18						
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*81.5*		µg/L	100		81.5	30-130			
Surrogate: 2-Fluorobiphenyl	*66.7*		µg/L	100		66.7	30-130			
Surrogate: p-Terphenyl-d14	*68.4*		µg/L	100		68.4	30-130			
LCS (B195626-BS1)				Prepared: 01/25/18 Analyzed: 01/26/18						
Acenaphthene (SIM)	43.4	7.5	µg/L	50.0		86.8	40-140			
Acenaphthylene (SIM)	41.0	7.5	µg/L	50.0		81.9	40-140			
Anthracene (SIM)	45.5	5.0	µg/L	50.0		91.0	40-140			
Benzo(a)anthracene (SIM)	44.5	1.2	µg/L	50.0		89.0	40-140			
Benzo(a)pyrene (SIM)	46.3	2.5	µg/L	50.0		92.6	40-140			
Benzo(b)fluoranthene (SIM)	46.3	1.2	µg/L	50.0		92.6	40-140			
Benzo(g,h,i)perylene (SIM)	50.7	12	µg/L	50.0		101	40-140			
Benzo(k)fluoranthene (SIM)	44.5	5.0	µg/L	50.0		89.0	40-140			
Chrysene (SIM)	42.6	5.0	µg/L	50.0		85.2	40-140			
Dibenz(a,h)anthracene (SIM)	50.7	5.0	µg/L	50.0		101	40-140			
Fluoranthene (SIM)	45.6	12	µg/L	50.0		91.2	40-140			
Fluorene (SIM)	44.0	25	µg/L	50.0		88.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	52.8	5.0	µg/L	50.0		106	40-140			
2-Methylnaphthalene (SIM)	44.2	25	µg/L	50.0		88.5	40-140			
Naphthalene (SIM)	40.8	25	µg/L	50.0		81.7	40-140			
Phenanthrene (SIM)	43.8	1.2	µg/L	50.0		87.6	40-140			
Pyrene (SIM)	43.2	25	µg/L	50.0		86.4	40-140			
Surrogate: Nitrobenzene-d5	*98.9*		µg/L	100		98.9	30-130			
Surrogate: 2-Fluorobiphenyl	*82.8*		µg/L	100		82.8	30-130			
Surrogate: p-Terphenyl-d14	*72.6*		µg/L	100		72.6	30-130			
LCS Dup (B195626-BSD1)				Prepared: 01/25/18 Analyzed: 01/26/18						
Acenaphthene (SIM)	42.2	7.5	µg/L	50.0		84.5	40-140	2.74	20	
Acenaphthylene (SIM)	39.8	7.5	µg/L	50.0		79.5	40-140	2.97	20	
Anthracene (SIM)	44.6	5.0	µg/L	50.0		89.2	40-140	2.00	20	
Benzo(a)anthracene (SIM)	43.4	1.2	µg/L	50.0		86.8	40-140	2.50	20	
Benzo(a)pyrene (SIM)	45.1	2.5	µg/L	50.0		90.2	40-140	2.68	20	
Benzo(b)fluoranthene (SIM)	45.2	1.2	µg/L	50.0		90.4	40-140	2.35	20	
Benzo(g,h,i)perylene (SIM)	49.7	12	µg/L	50.0		99.4	40-140	1.94	20	
Benzo(k)fluoranthene (SIM)	43.9	5.0	µg/L	50.0		87.8	40-140	1.36	20	
Chrysene (SIM)	41.8	5.0	µg/L	50.0		83.7	40-140	1.83	20	
Dibenz(a,h)anthracene (SIM)	49.6	5.0	µg/L	50.0		99.2	40-140	2.29	20	
Fluoranthene (SIM)	44.6	12	µg/L	50.0		89.3	40-140	2.16	20	
Fluorene (SIM)	42.9	25	µg/L	50.0		85.8	40-140	2.65	20	
Indeno(1,2,3-cd)pyrene (SIM)	51.7	5.0	µg/L	50.0		103	40-140	2.01	20	‡
2-Methylnaphthalene (SIM)	42.4	25	µg/L	50.0		84.8	40-140	4.27	20	
Naphthalene (SIM)	39.0	25	µg/L	50.0		78.0	40-140	4.63	20	
Phenanthrene (SIM)	42.9	1.2	µg/L	50.0		85.8	40-140	2.13	20	
Pyrene (SIM)	42.3	25	µg/L	50.0		84.6	40-140	2.16	20	

con-test® ANALYTICAL LABORATORY
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 B195626 - SW-846 3510C										
LCS Dup (B195626-BSD1)				Prepared: 01/25/18 Analyzed: 01/26/18						
Surrogate: Nitrobenzene-d5	*91.4*		µg/L	100		91.4	30-130			
Surrogate: 2-Fluorobiphenyl	*82.4*		µg/L	100		82.4	30-130			
Surrogate: p-Terphenyl-d14	*71.8*		µg/L	100		71.8	30-130			
Batch B195629 - SW-846 3510C										
Blank (B195629-BLK1)				Prepared: 01/23/18 Analyzed: 01/25/18						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	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	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
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							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
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							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							

con-test® ANALYTICAL LABORATORY
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 B195629 - SW-846 3510C											
Blank (B195629-BLK1)				Prepared: 01/23/18 Analyzed: 01/25/18							
Naphthalene	ND	5.0	µg/L								
2-Nitroaniline	ND	10	µg/L								
3-Nitroaniline	ND	10	µg/L								
4-Nitroaniline	ND	10	µg/L								
Nitrobenzene	ND	10	µg/L								
2-Nitrophenol	ND	10	µg/L								
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L							V-16	
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	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	*94.4*		µg/L	200		47.2	15-110				
Surrogate: Phenol-d6	*57.7*		µg/L	200		28.8	15-110				
Surrogate: Nitrobenzene-d5	*79.6*		µg/L	100		79.6	30-130				
Surrogate: 2-Fluorobiphenyl	*76.7*		µg/L	100		76.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*160*		µg/L	200		80.1	15-110				
Surrogate: p-Terphenyl-d14	*88.4*		µg/L	100		88.4	30-130				
LCS (B195629-BS1)				Prepared: 01/23/18 Analyzed: 01/25/18							
Acenaphthene	62.9	5.0	µg/L	100		62.9	40-140				
Acenaphthylene	58.2	5.0	µg/L	100		58.2	40-140				
Aniline	61.8	5.0	µg/L	100		61.8	40-140				†
Anthracene	63.8	5.0	µg/L	100		63.8	40-140				
Benzo(a)anthracene	64.3	5.0	µg/L	100		64.3	40-140				
Benzo(a)pyrene	65.4	5.0	µg/L	100		65.4	40-140				
Benzo(b)fluoranthene	62.1	5.0	µg/L	100		62.1	40-140				
Benzo(g,h,i)perylene	60.5	5.0	µg/L	100		60.5	40-140				
Benzo(k)fluoranthene	61.6	5.0	µg/L	100		61.6	40-140				
Bis(2-chloroethoxy)methane	69.1	10	µg/L	100		69.1	40-140				
Bis(2-chloroethyl)ether	63.5	10	µg/L	100		63.5	40-140				
Bis(2-chloroisopropyl)ether	69.5	10	µg/L	100		69.5	40-140				
Bis(2-Ethylhexyl)phthalate	68.3	10	µg/L	100		68.3	40-140				
4-Bromophenylphenylether	69.7	10	µg/L	100		69.7	40-140				
Butylbenzylphthalate	69.5	10	µg/L	100		69.5	40-140				
Carbazole	60.2	10	µg/L	100		60.2	40-140				
4-Chloroaniline	53.3	10	µg/L	100		53.3	40-140			V-34	†
4-Chloro-3-methylphenol	62.6	10	µg/L	100		62.6	30-130				
2-Chloronaphthalene	55.4	10	µg/L	100		55.4	40-140				
2-Chlorophenol	57.4	10	µg/L	100		57.4	30-130				
4-Chlorophenylphenylether	59.9	10	µg/L	100		59.9	40-140				
Chrysene	63.0	5.0	µg/L	100		63.0	40-140				
Dibenz(a,h)anthracene	65.6	5.0	µg/L	100		65.6	40-140				
Dibenzofuran	59.2	5.0	µg/L	100		59.2	40-140				
Di-n-butylphthalate	62.9	10	µg/L	100		62.9	40-140				

con-test® ANALYTICAL LABORATORY
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 B195629 - SW-846 3510C											
LCS (B195629-BS1)				Prepared: 01/23/18 Analyzed: 01/25/18							
3,3-Dichlorobenzidine	65.6	10	µg/L	100		65.6	40-140			V-34	†
2,4-Dichlorophenol	59.4	10	µg/L	100		59.4	30-130				
Diethylphthalate	57.4	10	µg/L	100		57.4	40-140				
2,4-Dimethylphenol	60.4	10	µg/L	100		60.4	30-130				
Dimethylphthalate	61.2	10	µg/L	100		61.2	40-140				
4,6-Dinitro-2-methylphenol	62.6	10	µg/L	100		62.6	30-130				
2,4-Dinitrophenol	71.6	10	µg/L	100		71.6	30-130				
2,4-Dinitrotoluene	63.4	10	µg/L	100		63.4	40-140				
2,6-Dinitrotoluene	66.0	10	µg/L	100		66.0	40-140				
Di-n-octylphthalate	64.9	10	µg/L	100		64.9	40-140				
Fluoranthene	58.3	5.0	µg/L	100		58.3	40-140				
Fluorene	56.4	5.0	µg/L	100		56.4	40-140				
Hexachlorobenzene	66.3	10	µg/L	100		66.3	40-140				
Hexachlorobutadiene	63.1	10	µg/L	100		63.1	40-140				
Hexachlorocyclopentadiene	62.8	10	µg/L	100		62.8	30-140				
Hexachloroethane	59.6	10	µg/L	100		59.6	40-140				
Indeno(1,2,3-cd)pyrene	65.2	5.0	µg/L	100		65.2	40-140				
Isophorone	66.2	10	µg/L	100		66.2	40-140				
2-Methylnaphthalene	66.9	5.0	µg/L	100		66.9	40-140				
2-Methylphenol	52.6	10	µg/L	100		52.6	30-130				
3/4-Methylphenol	48.2	10	µg/L	100		48.2	30-130				
Naphthalene	59.2	5.0	µg/L	100		59.2	40-140				
2-Nitroaniline	76.4	10	µg/L	100		76.4	40-140				
3-Nitroaniline	56.5	10	µg/L	100		56.5	40-140				†
4-Nitroaniline	56.3	10	µg/L	100		56.3	40-140				
Nitrobenzene	59.2	10	µg/L	100		59.2	40-140				
2-Nitrophenol	66.4	10	µg/L	100		66.4	30-130				
4-Nitrophenol	30.1	10	µg/L	100		30.1	10-130				
N-Nitrosodiphenylamine	76.5	10	µg/L	100		76.5	40-140				
N-Nitrosodi-n-propylamine	61.9	10	µg/L	100		61.9	40-140				
Pentachloronitrobenzene	65.2	10	µg/L	100		65.2	40-140			V-16	
Pentachlorophenol	66.2	10	µg/L	100		66.2	30-130				
Phenanthrene	63.1	5.0	µg/L	100		63.1	40-140				
Phenol	25.3	10	µg/L	100		25.3	20-130				
Pyrene	68.2	5.0	µg/L	100		68.2	40-140				
Pyridine	30.0	5.0	µg/L	100		30.0	10-140				†
1,2,4,5-Tetrachlorobenzene	60.7	10	µg/L	100		60.7	40-140				
1,2,4-Trichlorobenzene	60.3	5.0	µg/L	100		60.3	40-140				
2,4,5-Trichlorophenol	62.9	10	µg/L	100		62.9	30-130				
2,4,6-Trichlorophenol	65.3	10	µg/L	100		65.3	30-130				
Surrogate: 2-Fluorophenol	*77.2*		µg/L	200		38.6	15-110				
Surrogate: Phenol-d6	*52.6*		µg/L	200		26.3	15-110				
Surrogate: Nitrobenzene-d5	*64.9*		µg/L	100		64.9	30-130				
Surrogate: 2-Fluorobiphenyl	*66.6*		µg/L	100		66.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*128*		µg/L	200		64.1	15-110				
Surrogate: p-Terphenyl-d14	*72.8*		µg/L	100		72.8	30-130				

con-test® ANALYTICAL LABORATORY
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 B195629 - SW-846 3510C											
LCS Dup (B195629-BSD1)				Prepared: 01/23/18 Analyzed: 01/25/18							
Acenaphthene	61.8	5.0	µg/L	100		61.8	40-140	1.86	20		
Acenaphthylene	58.1	5.0	µg/L	100		58.1	40-140	0.172	20		
Aniline	58.2	5.0	µg/L	100		58.2	40-140	6.00	50		† ‡
Anthracene	62.4	5.0	µg/L	100		62.4	40-140	2.19	20		
Benzo(a)anthracene	60.7	5.0	µg/L	100		60.7	40-140	5.79	20		
Benzo(a)pyrene	64.5	5.0	µg/L	100		64.5	40-140	1.42	20		
Benzo(b)fluoranthene	61.5	5.0	µg/L	100		61.5	40-140	1.04	20		
Benzo(g,h,i)perylene	59.6	5.0	µg/L	100		59.6	40-140	1.65	20		
Benzo(k)fluoranthene	61.7	5.0	µg/L	100		61.7	40-140	0.146	20		
Bis(2-chloroethoxy)methane	64.2	10	µg/L	100		64.2	40-140	7.47	20		
Bis(2-chloroethyl)ether	59.2	10	µg/L	100		59.2	40-140	6.99	20		
Bis(2-chloroisopropyl)ether	63.5	10	µg/L	100		63.5	40-140	9.08	20		
Bis(2-Ethylhexyl)phthalate	63.2	10	µg/L	100		63.2	40-140	7.78	20		
4-Bromophenylphenylether	69.2	10	µg/L	100		69.2	40-140	0.720	20		
Butylbenzylphthalate	64.6	10	µg/L	100		64.6	40-140	7.31	20		
Carbazole	55.9	10	µg/L	100		55.9	40-140	7.37	20		
4-Chloroaniline	49.7	10	µg/L	100		49.7	40-140	7.03	20	V-34	†
4-Chloro-3-methylphenol	61.5	10	µg/L	100		61.5	30-130	1.90	20		
2-Chloronaphthalene	56.7	10	µg/L	100		56.7	40-140	2.19	20		
2-Chlorophenol	54.8	10	µg/L	100		54.8	30-130	4.61	20		
4-Chlorophenylphenylether	61.8	10	µg/L	100		61.8	40-140	3.10	20		
Chrysene	59.8	5.0	µg/L	100		59.8	40-140	5.24	20		
Dibenz(a,h)anthracene	63.2	5.0	µg/L	100		63.2	40-140	3.80	20		
Dibenzofuran	66.6	5.0	µg/L	100		66.6	40-140	11.8	20		
Di-n-butylphthalate	59.2	10	µg/L	100		59.2	40-140	6.03	20		
3,3-Dichlorobenzidine	62.5	10	µg/L	100		62.5	40-140	4.84	20	V-34	† ‡
2,4-Dichlorophenol	63.2	10	µg/L	100		63.2	30-130	6.25	20		
Diethylphthalate	61.8	10	µg/L	100		61.8	40-140	7.33	20		
2,4-Dimethylphenol	63.4	10	µg/L	100		63.4	30-130	4.75	20		
Dimethylphthalate	60.4	10	µg/L	100		60.4	40-140	1.32	50		
4,6-Dinitro-2-methylphenol	60.2	10	µg/L	100		60.2	30-130	3.88	50		
2,4-Dinitrophenol	74.2	10	µg/L	100		74.2	30-130	3.59	50		
2,4-Dinitrotoluene	65.6	10	µg/L	100		65.6	40-140	3.44	20		
2,6-Dinitrotoluene	65.4	10	µg/L	100		65.4	40-140	0.822	20		
Di-n-octylphthalate	58.4	10	µg/L	100		58.4	40-140	10.6	20		
Fluoranthene	55.5	5.0	µg/L	100		55.5	40-140	5.01	20		
Fluorene	58.4	5.0	µg/L	100		58.4	40-140	3.31	20		
Hexachlorobenzene	64.8	10	µg/L	100		64.8	40-140	2.23	20		
Hexachlorobutadiene	60.5	10	µg/L	100		60.5	40-140	4.16	20		
Hexachlorocyclopentadiene	61.2	10	µg/L	100		61.2	30-140	2.56	50		
Hexachloroethane	61.6	10	µg/L	100		61.6	40-140	3.42	50		
Indeno(1,2,3-cd)pyrene	63.7	5.0	µg/L	100		63.7	40-140	2.37	50		
Isophorone	62.0	10	µg/L	100		62.0	40-140	6.52	20		
2-Methylnaphthalene	64.9	5.0	µg/L	100		64.9	40-140	3.13	20		
2-Methylphenol	49.6	10	µg/L	100		49.6	30-130	5.88	20		
3/4-Methylphenol	46.0	10	µg/L	100		46.0	30-130	4.76	20		
Naphthalene	55.8	5.0	µg/L	100		55.8	40-140	5.94	20		
2-Nitroaniline	71.6	10	µg/L	100		71.6	40-140	6.61	20		
3-Nitroaniline	57.9	10	µg/L	100		57.9	40-140	2.53	20		†
4-Nitroaniline	56.4	10	µg/L	100		56.4	40-140	0.177	20		
Nitrobenzene	60.8	10	µg/L	100		60.8	40-140	2.70	20		
2-Nitrophenol	63.9	10	µg/L	100		63.9	30-130	3.76	20		

con-test® ANALYTICAL LABORATORY
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 B195629 - SW-846 3510C											
LCS Dup (B195629-BSD1)				Prepared: 01/23/18 Analyzed: 01/25/18							
4-Nitrophenol	29.8	10	µg/L	100		29.8	10-130	0.967	50		‡
N-Nitrosodiphenylamine	73.1	10	µg/L	100		73.1	40-140	4.57	20		
N-Nitrosodi-n-propylamine	58.8	10	µg/L	100		58.8	40-140	5.04	20		
Pentachloronitrobenzene	67.3	10	µg/L	100		67.3	40-140	3.14	20	V-16	
Pentachlorophenol	66.1	10	µg/L	100		66.1	30-130	0.121	50		
Phenanthrene	61.7	5.0	µg/L	100		61.7	40-140	2.26	20		
Phenol	23.5	10	µg/L	100		23.5	20-130	7.29	20		
Pyrene	61.6	5.0	µg/L	100		61.6	40-140	10.1	20		
Pyridine	33.5	5.0	µg/L	100		33.5	10-140	10.9	50		†
1,2,4,5-Tetrachlorobenzene	60.9	10	µg/L	100		60.9	40-140	0.329	20		
1,2,4-Trichlorobenzene	57.4	5.0	µg/L	100		57.4	40-140	4.94	20		
2,4,5-Trichlorophenol	63.0	10	µg/L	100		63.0	30-130	0.143	20		
2,4,6-Trichlorophenol	64.5	10	µg/L	100		64.5	30-130	1.19	50		
Surrogate: 2-Fluorophenol	*73.2*		µg/L	200		36.6	15-110				
Surrogate: Phenol-d6	*48.9*		µg/L	200		24.4	15-110				
Surrogate: Nitrobenzene-d5	*65.8*		µg/L	100		65.8	30-130				
Surrogate: 2-Fluorobiphenyl	*65.0*		µg/L	100		65.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*133*		µg/L	200		66.4	15-110				
Surrogate: p-Terphenyl-d14	*67.5*		µg/L	100		67.5	30-130				

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195342 - SW-846 3510C										
Blank (B195342-BLK1)				Prepared: 01/23/18 Analyzed: 01/24/18						
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	*1.88*		µg/L	2.00		93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.74*		µg/L	2.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.54*		µg/L	2.00		76.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.59*		µg/L	2.00		79.6	30-150			
LCS (B195342-BS1)				Prepared: 01/23/18 Analyzed: 01/24/18						
Aroclor-1016	0.38	0.20	µg/L	0.500		76.9	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.2	40-140			
Aroclor-1260	0.42	0.20	µg/L	0.500		84.9	40-140			
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		91.7	40-140			
Surrogate: Decachlorobiphenyl	*1.91*		µg/L	2.00		95.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.78*		µg/L	2.00		88.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.60*		µg/L	2.00		80.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/L	2.00		82.0	30-150			
LCS Dup (B195342-BSD1)				Prepared: 01/23/18 Analyzed: 01/24/18						
Aroclor-1016	0.39	0.20	µg/L	0.500		78.0	40-140	1.52	20	
Aroclor-1016 [2C]	0.44	0.20	µg/L	0.500		87.5	40-140	3.01	20	
Aroclor-1260	0.42	0.20	µg/L	0.500		83.7	40-140	1.44	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.1	40-140	4.01	20	
Surrogate: Decachlorobiphenyl	*1.81*		µg/L	2.00		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.68*		µg/L	2.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.51*		µg/L	2.00		75.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.57*		µg/L	2.00		78.6	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195410 - SW-846 3540C										
Blank (B195410-BLK1)				Prepared: 01/23/18 Analyzed: 01/26/18						
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	*0.191*		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.198*		mg/Kg wet	0.200		98.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.191*		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		96.2	30-150			
LCS (B195410-BS1)				Prepared: 01/23/18 Analyzed: 01/26/18						
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		105	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.4	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		98.2	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		95.1	40-140			
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		97.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.202*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.202*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			
LCS Dup (B195410-BSD1)				Prepared: 01/23/18 Analyzed: 01/26/18						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140	4.43	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.0	40-140	3.66	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.9	40-140	4.45	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.2	40-140	4.20	30	
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.191*		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.195*		mg/Kg wet	0.200		97.6	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195410 - SW-846 3540C											
Matrix Spike (B195410-MS1)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/26/18							
Aroclor-1016	0.35	0.095	mg/Kg dry	0.237	ND	**148**	*	40-140			MS-21
Aroclor-1016 [2C]	0.30	0.095	mg/Kg dry	0.237	ND	125		40-140			
Aroclor-1260	0.72	0.095	mg/Kg dry	0.237	0.49	93.0		40-140			
Aroclor-1260 [2C]	0.73	0.095	mg/Kg dry	0.237	0.51	92.4		40-140			
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg dry	0.237		80.8		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg dry	0.237		89.6		30-150			
Surrogate: Tetrachloro-m-xylene	*0.217*		mg/Kg dry	0.237		91.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.225*		mg/Kg dry	0.237		94.8		30-150			
Matrix Spike (B195410-MS2)	**Source: 18A0655-20**			Prepared: 01/23/18 Analyzed: 01/26/18							
Aroclor-1016	0.23	0.090	mg/Kg dry	0.225	ND	104		40-140			
Aroclor-1016 [2C]	0.24	0.090	mg/Kg dry	0.225	ND	107		40-140			
Aroclor-1260	0.24	0.090	mg/Kg dry	0.225	ND	105		40-140			
Aroclor-1260 [2C]	0.24	0.090	mg/Kg dry	0.225	ND	105		40-140			
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg dry	0.225		96.5		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg dry	0.225		99.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.215*		mg/Kg dry	0.225		95.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.220*		mg/Kg dry	0.225		97.9		30-150			
Matrix Spike Dup (B195410-MSD1)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/26/18							
Aroclor-1016	0.36	0.095	mg/Kg dry	0.237	ND	**151**	*	40-140	1.98	50	MS-21
Aroclor-1016 [2C]	0.29	0.095	mg/Kg dry	0.237	ND	120		40-140	3.97	50	
Aroclor-1260	0.63	0.095	mg/Kg dry	0.237	0.49	55.8		40-140	13.2	50	
Aroclor-1260 [2C]	0.65	0.095	mg/Kg dry	0.237	0.51	60.0		40-140	11.1	50	
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg dry	0.237		78.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg dry	0.237		86.6		30-150			
Surrogate: Tetrachloro-m-xylene	*0.210*		mg/Kg dry	0.237		88.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.237		90.9		30-150			
Matrix Spike Dup (B195410-MSD2)	**Source: 18A0655-20**			Prepared: 01/23/18 Analyzed: 01/26/18							
Aroclor-1016	0.26	0.090	mg/Kg dry	0.225	ND	115		40-140	9.48	50	
Aroclor-1016 [2C]	0.23	0.090	mg/Kg dry	0.225	ND	104		40-140	3.12	50	
Aroclor-1260	0.23	0.090	mg/Kg dry	0.225	ND	102		40-140	3.17	50	
Aroclor-1260 [2C]	0.23	0.090	mg/Kg dry	0.225	ND	102		40-140	3.23	50	
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg dry	0.225		94.1		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.216*		mg/Kg dry	0.225		96.1		30-150			
Surrogate: Tetrachloro-m-xylene	*0.212*		mg/Kg dry	0.225		94.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.217*		mg/Kg dry	0.225		96.6		30-150			
Batch B195477 - SW-846 3540C											
Blank (B195477-BLK1)				Prepared: 01/24/18 Analyzed: 01/26/18							
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								

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195477 - SW-846 3540C											
Blank (B195477-BLK1)				Prepared: 01/24/18 Analyzed: 01/26/18							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1260	ND	0.020	mg/Kg wet								
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1262	ND	0.020	mg/Kg wet								
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1268	ND	0.020	mg/Kg wet								
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet								
Surrogate: Decachlorobiphenyl	*0.213*		mg/Kg wet	0.200		107		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.221*		mg/Kg wet	0.200		111		30-150			
Surrogate: Tetrachloro-m-xylene	*0.205*		mg/Kg wet	0.200		103		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.213*		mg/Kg wet	0.200		106		30-150			
LCS (B195477-BS1)				Prepared: 01/24/18 Analyzed: 01/26/18							
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		107		40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102		40-140			
Aroclor-1260	0.21	0.020	mg/Kg wet	0.200		105		40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103		40-140			
Surrogate: Decachlorobiphenyl	*0.202*		mg/Kg wet	0.200		101		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.200		107		30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg wet	0.200		104		30-150			
LCS Dup (B195477-BSD1)				Prepared: 01/24/18 Analyzed: 01/26/18							
Aroclor-1016	0.22	0.020	mg/Kg wet	0.200		108		40-140	0.816	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102		40-140	0.322	30	
Aroclor-1260	0.22	0.020	mg/Kg wet	0.200		109		40-140	3.72	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		107		40-140	3.70	30	
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		105		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.220*		mg/Kg wet	0.200		110		30-150			
Surrogate: Tetrachloro-m-xylene	*0.192*		mg/Kg wet	0.200		96.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg wet	0.200		100		30-150			
Matrix Spike (B195477-MS1)	**Source: 18A0655-32**			Prepared: 01/24/18 Analyzed: 01/28/18							
Aroclor-1016	0.30	0.089	mg/Kg dry	0.222	ND	135		40-140			
Aroclor-1016 [2C]	0.30	0.089	mg/Kg dry	0.222	ND	133		40-140			
Aroclor-1260	1.1	0.089	mg/Kg dry	0.222	1.3	**-83.7**	*	40-140			MS-19
Aroclor-1260 [2C]	1.3	0.089	mg/Kg dry	0.222	1.5	**-71.1**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.188*		mg/Kg dry	0.222		84.5		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.185*		mg/Kg dry	0.222		83.4		30-150			
Surrogate: Tetrachloro-m-xylene	*0.192*		mg/Kg dry	0.222		86.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.212*		mg/Kg dry	0.222		95.3		30-150			
Matrix Spike Dup (B195477-MSD1)	**Source: 18A0655-32**			Prepared: 01/24/18 Analyzed: 01/28/18							
Aroclor-1016	0.25	0.091	mg/Kg dry	0.227	ND	111		40-140	17.6	50	
Aroclor-1016 [2C]	0.32	0.091	mg/Kg dry	0.227	ND	140		40-140	7.41	50	MS-22
Aroclor-1260	1.5	0.091	mg/Kg dry	0.227	1.3	85.3		40-140	28.4	50	
Aroclor-1260 [2C]	1.7	0.091	mg/Kg dry	0.227	1.5	128		40-140	29.4	50	
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg dry	0.227		85.0		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg dry	0.227		83.9		30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg dry	0.227		83.0		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.213*		mg/Kg dry	0.227		93.8		30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195343 - SW-846 3510C											
Blank (B195343-BLK1)				Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	ND	0.075	mg/L								
Surrogate: o-Terphenyl	*0.0935*		mg/L	0.100		93.5		50-150			
LCS (B195343-BS1)				Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	0.840	0.075	mg/L	1.00		84.0		60-120			
Surrogate: o-Terphenyl	*0.0949*		mg/L	0.100		94.9		50-150			
LCS Dup (B195343-BSD1)				Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	0.860	0.075	mg/L	1.00		86.0		60-120	2.44	30	
Surrogate: o-Terphenyl	*0.0950*		mg/L	0.100		95.0		50-150			
Batch B195345 - SW-846 3546											
Blank (B195345-BLK1)				Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.43*		mg/Kg wet	3.33		72.9		50-150			
LCS (B195345-BS1)				Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	21.8	10	mg/Kg wet	33.3		65.4		60-120			
Surrogate: o-Terphenyl	*2.54*		mg/Kg wet	3.33		76.3		50-150			
LCS Dup (B195345-BSD1)				Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	21.7	10	mg/Kg wet	33.3		65.1		60-120	0.359	30	
Surrogate: o-Terphenyl	*2.52*		mg/Kg wet	3.33		75.5		50-150			
Matrix Spike (B195345-MS1)	**Source: 18A0655-01**			Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	30.7	12	mg/Kg dry	38.7	20.8	**25.6**	*	50-150			MS-07A
Surrogate: o-Terphenyl	*2.25*		mg/Kg dry	3.87		58.1		50-150			
Matrix Spike (B195345-MS2)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/25/18							
CT ETPH	285	59	mg/Kg dry	39.6	118	**423**	*	50-150			MS-07A
Surrogate: o-Terphenyl	*1.89*		mg/Kg dry	3.96		**47.9**	*	50-150			S-25
Matrix Spike Dup (B195345-MSD1)	**Source: 18A0655-01**			Prepared: 01/23/18 Analyzed: 01/24/18							
CT ETPH	30.7	12	mg/Kg dry	38.7	20.8	**25.6**	*	50-150	0.00861	30	MS-07A
Surrogate: o-Terphenyl	*2.00*		mg/Kg dry	3.87		51.8		50-150			
Matrix Spike Dup (B195345-MSD2)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/25/18							
CT ETPH	156	59	mg/Kg dry	39.6	118	95.5		50-150	**58.8**	* 30	MS-07A
Surrogate: o-Terphenyl	*2.06*		mg/Kg dry	3.96		52.2		50-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195592 - SW-846 3546										
Blank (B195592-BLK1)				Prepared: 01/25/18 Analyzed: 01/26/18						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.04*		mg/Kg wet	3.33		91.3	50-150			
LCS (B195592-BS1)				Prepared: 01/25/18 Analyzed: 01/26/18						
CT ETPH	26.0	10	mg/Kg wet	33.3		77.9	60-120			
Surrogate: o-Terphenyl	*3.06*		mg/Kg wet	3.33		91.7	50-150			
LCS Dup (B195592-BSD1)				Prepared: 01/25/18 Analyzed: 01/26/18						
CT ETPH	25.6	10	mg/Kg wet	33.3		76.8	60-120	1.42	30	
Surrogate: o-Terphenyl	*3.00*		mg/Kg wet	3.33		90.0	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195349 - SW-846 7471										
Blank (B195349-BLK1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	ND	0.025	mg/Kg wet							
LCS (B195349-BS1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	9.19	2.0	mg/Kg wet	9.36		98.2	73.7-126.3			
LCS Dup (B195349-BSD1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	9.69	1.9	mg/Kg wet	9.36		104	73.7-126.3	5.33	30	
Duplicate (B195349-DUP1)	**Source: 18A0655-01**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	ND	0.029	mg/Kg dry		ND			NC	35	
Matrix Spike (B195349-MS1)	**Source: 18A0655-01**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.204	0.029	mg/Kg dry	0.195	0.0148	96.8	75-125			
Matrix Spike (B195349-MS2)	**Source: 18A0655-14**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.217	0.030	mg/Kg dry	0.198	0.0290	95.0	75-125			
Matrix Spike Dup (B195349-MSD1)	**Source: 18A0655-01**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.196	0.029	mg/Kg dry	0.193	0.0148	94.0	75-125	3.76	35	
Matrix Spike Dup (B195349-MSD2)	**Source: 18A0655-14**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.225	0.029	mg/Kg dry	0.193	0.0290	102	75-125	3.69	35	
Batch B195354 - SW-846 3050B										
Blank (B195354-BLK1)				Prepared: 01/24/18 Analyzed: 01/29/18						
Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Copper	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Nickel	ND	0.33	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
Thallium	ND	1.7	mg/Kg wet							
Vanadium	ND	0.67	mg/Kg wet							
Zinc	ND	0.67	mg/Kg wet							
LCS (B195354-BS1)				Prepared: 01/24/18 Analyzed: 01/29/18						
Antimony	69.8	5.0	mg/Kg wet	65.1		107	3.8-212			
Arsenic	147	5.0	mg/Kg wet	147		99.8	83-117			
Barium	312	5.0	mg/Kg wet	314		99.5	82.2-117.8			
Beryllium	54.5	0.50	mg/Kg wet	53.4		102	82.8-117.2			
Cadmium	190	0.50	mg/Kg wet	193		98.6	82.4-117.6			
Chromium	82.4	1.0	mg/Kg wet	82.6		99.8	81.8-118.2			
Copper	174	1.0	mg/Kg wet	171		102	83.6-116.4			
Lead	89.2	1.5	mg/Kg wet	92.3		96.6	82.8-117			
Nickel	137	1.0	mg/Kg wet	137		99.7	82.5-118.2			
Selenium	185	10	mg/Kg wet	187		98.9	79.1-121.4			
Silver	39.1	1.0	mg/Kg wet	40.7		96.1	79.6-120.4			
Thallium	148	5.0	mg/Kg wet	153		96.8	81-119			
Vanadium	90.6	2.0	mg/Kg wet	86.6		105	77.6-122.4			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195354 - SW-846 3050B											
LCS (B195354-BS1)				Prepared: 01/24/18 Analyzed: 01/29/18							
Zinc	192	2.0	mg/Kg wet	189		102		79.9-120.1			
LCS Dup (B195354-BSD1)				Prepared: 01/24/18 Analyzed: 01/29/18							
Antimony	70.6	5.0	mg/Kg wet	65.1		108		3.8-212	1.16	30	
Arsenic	159	5.0	mg/Kg wet	147		108		83-117	7.78	30	
Barium	326	5.0	mg/Kg wet	314		104		82.2-117.8	4.16	30	
Beryllium	57.5	0.50	mg/Kg wet	53.4		108		82.8-117.2	5.27	30	
Cadmium	196	0.50	mg/Kg wet	193		101		82.4-117.6	2.70	30	
Chromium	87.5	1.0	mg/Kg wet	82.6		106		81.8-118.2	6.00	30	
Copper	184	1.0	mg/Kg wet	171		108		83.6-116.4	5.90	30	
Lead	97.3	1.5	mg/Kg wet	92.3		105		82.8-117	8.77	30	
Nickel	140	1.0	mg/Kg wet	137		102		82.5-118.2	2.54	30	
Selenium	204	10	mg/Kg wet	187		109		79.1-121.4	9.67	30	
Silver	41.5	1.0	mg/Kg wet	40.7		102		79.6-120.4	5.83	30	
Thallium	155	5.0	mg/Kg wet	153		101		81-119	4.72	30	
Vanadium	93.5	2.0	mg/Kg wet	86.6		108		77.6-122.4	3.16	30	
Zinc	202	2.0	mg/Kg wet	189		107		79.9-120.1	4.75	30	
Duplicate (B195354-DUP1)	**Source: 18A0655-01**			Prepared: 01/24/18 Analyzed: 01/29/18							
Antimony	ND	1.9	mg/Kg dry		ND				NC	35	
Arsenic	ND	1.9	mg/Kg dry		ND				NC	35	
Barium	109	1.9	mg/Kg dry		119				9.13	35	
Beryllium	0.412	0.19	mg/Kg dry		0.390				5.39	35	
Cadmium	ND	0.19	mg/Kg dry		ND				NC	35	
Chromium	21.1	0.39	mg/Kg dry		23.1				8.71	35	
Copper	32.5	0.39	mg/Kg dry		36.4				11.3	35	
Lead	12.0	0.58	mg/Kg dry		12.3				2.40	35	
Nickel	19.4	0.39	mg/Kg dry		21.5				10.2	35	
Selenium	ND	3.9	mg/Kg dry		ND				NC	35	
Silver	ND	0.39	mg/Kg dry		ND				NC	35	
Thallium	ND	1.9	mg/Kg dry		ND				NC	35	
Vanadium	36.2	0.78	mg/Kg dry		37.7				4.07	35	
Zinc	50.8	0.78	mg/Kg dry		53.1				4.55	35	
MRL Check (B195354-MRL1)				Prepared: 01/24/18 Analyzed: 01/30/18							
Lead	0.559	0.50	mg/Kg wet	0.497		112		80-120			
Matrix Spike (B195354-MS1)	**Source: 18A0655-01**			Prepared: 01/24/18 Analyzed: 01/29/18							
Antimony	11.0	1.9	mg/Kg dry	19.4	1.34	**49.5**	*	75-125			MS-07A
Arsenic	16.6	1.9	mg/Kg dry	19.4	ND	85.5		75-125			
Barium	135	1.9	mg/Kg dry	19.4	119	81.8		75-125			
Beryllium	18.2	0.19	mg/Kg dry	19.4	0.390	91.4		75-125			
Cadmium	18.8	0.19	mg/Kg dry	19.4	0.127	96.1		75-125			
Chromium	41.0	0.39	mg/Kg dry	19.4	23.1	92.1		75-125			
Copper	72.3	0.39	mg/Kg dry	38.9	36.4	92.2		75-125			
Lead	29.8	0.58	mg/Kg dry	19.4	12.3	90.3		75-125			
Nickel	37.8	0.39	mg/Kg dry	19.4	21.5	84.0		75-125			
Selenium	16.7	3.9	mg/Kg dry	19.4	ND	85.8		75-125			
Silver	16.3	0.39	mg/Kg dry	19.4	ND	83.8		75-125			
Thallium	17.0	1.9	mg/Kg dry	19.4	ND	87.3		75-125			
Vanadium	57.8	0.78	mg/Kg dry	19.4	37.7	104		75-125			
Zinc	88.7	0.78	mg/Kg dry	38.9	53.1	91.4		75-125			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195354 - SW-846 3050B											
Matrix Spike (B195354-MS2)	**Source: 18A0655-14**			Prepared: 01/24/18 Analyzed: 01/29/18							
Antimony	11.8	2.0	mg/Kg dry	19.6	ND	**60.2**	*	75-125			MS-07A
Arsenic	17.9	2.0	mg/Kg dry	19.6	ND	91.1		75-125			
Barium	111	2.0	mg/Kg dry	19.6	89.6	108		75-125			
Beryllium	19.4	0.20	mg/Kg dry	19.6	0.310	97.1		75-125			
Cadmium	19.1	0.20	mg/Kg dry	19.6	0.210	95.9		75-125			
Chromium	39.7	0.39	mg/Kg dry	19.6	20.3	98.8		75-125			
Copper	70.5	0.39	mg/Kg dry	39.3	31.8	98.7		75-125			
Lead	36.4	0.59	mg/Kg dry	19.6	19.5	86.4		75-125			
Nickel	36.4	0.39	mg/Kg dry	19.6	17.5	96.1		75-125			
Selenium	17.8	3.9	mg/Kg dry	19.6	ND	90.8		75-125			
Silver	17.5	0.39	mg/Kg dry	19.6	ND	88.9		75-125			
Thallium	19.6	2.0	mg/Kg dry	19.6	ND	100		75-125			
Vanadium	60.5	0.79	mg/Kg dry	19.6	45.2	78.2		75-125			
Zinc	97.3	0.79	mg/Kg dry	39.3	65.2	81.6		75-125			
Matrix Spike Dup (B195354-MSD1)	**Source: 18A0655-01**			Prepared: 01/24/18 Analyzed: 01/29/18							
Antimony	10.4	1.9	mg/Kg dry	19.4	1.34	**46.8**	*	75-125	4.73	35	MS-07A
Arsenic	16.7	1.9	mg/Kg dry	19.4	ND	85.8		75-125	0.367	35	
Barium	138	1.9	mg/Kg dry	19.4	119	93.6		75-125	1.69	35	
Beryllium	18.6	0.19	mg/Kg dry	19.4	0.390	93.7		75-125	2.54	35	
Cadmium	18.5	0.19	mg/Kg dry	19.4	0.127	94.2		75-125	1.93	35	
Chromium	40.9	0.39	mg/Kg dry	19.4	23.1	91.8		75-125	0.149	35	
Copper	76.3	0.39	mg/Kg dry	38.9	36.4	103		75-125	5.44	35	
Lead	28.5	0.58	mg/Kg dry	19.4	12.3	83.3		75-125	4.65	35	
Nickel	38.4	0.39	mg/Kg dry	19.4	21.5	86.7		75-125	1.39	35	
Selenium	16.5	3.9	mg/Kg dry	19.4	ND	84.7		75-125	1.32	35	
Silver	16.2	0.39	mg/Kg dry	19.4	ND	83.5		75-125	0.260	35	
Thallium	16.0	1.9	mg/Kg dry	19.4	ND	82.5		75-125	5.64	35	
Vanadium	56.8	0.78	mg/Kg dry	19.4	37.7	98.5		75-125	1.75	35	
Zinc	88.4	0.78	mg/Kg dry	38.9	53.1	90.6		75-125	0.315	35	
Matrix Spike Dup (B195354-MSD2)	**Source: 18A0655-14**			Prepared: 01/24/18 Analyzed: 01/29/18							
Antimony	11.2	1.9	mg/Kg dry	19.4	ND	**57.9**	*	75-125	4.97	35	MS-07A
Arsenic	18.0	1.9	mg/Kg dry	19.4	ND	92.7		75-125	0.463	35	
Barium	103	1.9	mg/Kg dry	19.4	89.6	**69.5**	*	75-125	7.18	35	MS-19
Beryllium	19.0	0.19	mg/Kg dry	19.4	0.310	96.5		75-125	1.84	35	
Cadmium	18.7	0.19	mg/Kg dry	19.4	0.210	95.4		75-125	1.71	35	
Chromium	37.6	0.39	mg/Kg dry	19.4	20.3	88.8		75-125	5.60	35	
Copper	68.9	0.39	mg/Kg dry	38.8	31.8	95.8		75-125	2.30	35	
Lead	36.4	0.58	mg/Kg dry	19.4	19.5	87.1		75-125	0.178	35	
Nickel	34.0	0.39	mg/Kg dry	19.4	17.5	84.8		75-125	6.88	35	
Selenium	16.6	3.9	mg/Kg dry	19.4	ND	85.5		75-125	7.19	35	
Silver	17.2	0.39	mg/Kg dry	19.4	ND	88.5		75-125	1.64	35	
Thallium	19.7	1.9	mg/Kg dry	19.4	ND	101		75-125	0.145	35	
Vanadium	59.1	0.78	mg/Kg dry	19.4	45.2	**71.7**	*	75-125	2.42	35	MS-22
Zinc	96.3	0.78	mg/Kg dry	38.8	65.2	80.1		75-125	1.01	35	

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195356 - SW-846 3005A											
Blank (B195356-BLK1)				Prepared & Analyzed: 01/23/18							
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 (B195356-BS1)				Prepared & Analyzed: 01/23/18							
Antimony	561	10	µg/L	500		112		80-120			
Arsenic	569	4.0	µg/L	500		114		80-120			
Barium	532	100	µg/L	500		106		80-120			
Beryllium	594	4.0	µg/L	500		119		80-120			
Cadmium	568	5.0	µg/L	500		114		80-120			
Chromium	517	10	µg/L	500		103		80-120			
Copper	1040	50	µg/L	1000		104		80-120			
Lead	559	10	µg/L	500		112		80-120			
Nickel	519	50	µg/L	500		104		80-120			
Selenium	593	50	µg/L	500		119		80-120			
Silver	539	5.0	µg/L	500		108		80-120			
Thallium	550	2.0	µg/L	500		110		80-120			
Vanadium	526	50	µg/L	500		105		80-120			
Zinc	1220	100	µg/L	1000		**122**	*	80-120			L-02
LCS Dup (B195356-BSD1)				Prepared & Analyzed: 01/23/18							
Antimony	596	10	µg/L	500		119		80-120	5.97	20	
Arsenic	601	4.0	µg/L	500		120		80-120	5.37	20	
Barium	566	100	µg/L	500		113		80-120	6.15	20	
Beryllium	619	4.0	µg/L	500		**124**	*	80-120	4.04	20	L-07
Cadmium	601	5.0	µg/L	500		120		80-120	5.66	20	
Chromium	546	10	µg/L	500		109		80-120	5.44	20	
Copper	1100	50	µg/L	1000		110		80-120	6.30	20	
Lead	579	10	µg/L	500		116		80-120	3.54	20	
Nickel	546	50	µg/L	500		109		80-120	5.19	20	
Selenium	631	50	µg/L	500		**126**	*	80-120	6.14	20	L-07
Silver	571	5.0	µg/L	500		114		80-120	5.78	20	
Thallium	571	2.0	µg/L	500		114		80-120	3.69	20	
Vanadium	551	50	µg/L	500		110		80-120	4.69	20	
Zinc	1280	100	µg/L	1000		**128**	*	80-120	4.80	20	L-02

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195373 - SW-846 7470A Prep										
Blank (B195373-BLK1)				Prepared & Analyzed: 01/23/18						
Mercury	ND	0.00010	mg/L							
LCS (B195373-BS1)				Prepared & Analyzed: 01/23/18						
Mercury	0.00191	0.00010	mg/L	0.00200		95.5	80-120			
LCS Dup (B195373-BSD1)				Prepared & Analyzed: 01/23/18						
Mercury	0.00192	0.00010	mg/L	0.00200		96.1	80-120	0.708	20	
Duplicate (B195373-DUP1)		**Source: 18A0655-39**		Prepared & Analyzed: 01/23/18						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B195373-MS1)		**Source: 18A0655-39**		Prepared & Analyzed: 01/23/18						
Mercury	0.00181	0.00010	mg/L	0.00200	ND	90.4	75-125			
Batch B195446 - SW-846 3050B										
Blank (B195446-BLK1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Copper	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Nickel	ND	0.33	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
Thallium	ND	1.7	mg/Kg wet							
Vanadium	ND	0.67	mg/Kg wet							
Zinc	ND	0.67	mg/Kg wet							
LCS (B195446-BS1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Antimony	65.1	5.1	mg/Kg wet	65.1		100	3.8-212			
Arsenic	150	5.1	mg/Kg wet	147		102	83-117			
Barium	326	5.1	mg/Kg wet	314		104	82.2-117.8			
Beryllium	56.8	0.51	mg/Kg wet	53.4		106	82.8-117.2			
Cadmium	198	0.51	mg/Kg wet	193		102	82.4-117.6			
Chromium	86.4	1.0	mg/Kg wet	82.6		105	81.8-118.2			
Copper	191	1.0	mg/Kg wet	171		112	83.6-116.4			
Lead	96.2	1.5	mg/Kg wet	92.3		104	82.8-117			
Nickel	141	1.0	mg/Kg wet	137		103	82.5-118.2			
Selenium	188	10	mg/Kg wet	187		101	79.1-121.4			
Silver	40.9	1.0	mg/Kg wet	40.7		101	79.6-120.4			
Thallium	152	5.1	mg/Kg wet	153		99.4	81-119			
Vanadium	86.4	2.0	mg/Kg wet	86.6		99.8	77.6-122.4			
Zinc	196	2.0	mg/Kg wet	189		104	79.9-120.1			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195446 - SW-846 3050B											
LCS Dup (B195446-BSD1)				Prepared: 01/24/18 Analyzed: 01/25/18							
Antimony	66.0	4.8	mg/Kg wet	65.1		101		3.8-212	1.39	30	
Arsenic	150	4.8	mg/Kg wet	147		102		83-117	0.262	30	
Barium	325	4.8	mg/Kg wet	314		103		82.2-117.8	0.219	30	
Beryllium	57.0	0.48	mg/Kg wet	53.4		107		82.8-117.2	0.361	30	
Cadmium	199	0.48	mg/Kg wet	193		103		82.4-117.6	0.861	30	
Chromium	86.4	0.96	mg/Kg wet	82.6		105		81.8-118.2	0.0505	30	
Copper	190	0.96	mg/Kg wet	171		111		83.6-116.4	0.533	30	
Lead	105	1.4	mg/Kg wet	92.3		114		82.8-117	8.67	30	
Nickel	140	0.96	mg/Kg wet	137		102		82.5-118.2	1.17	30	
Selenium	189	9.6	mg/Kg wet	187		101		79.1-121.4	0.355	30	
Silver	40.9	0.96	mg/Kg wet	40.7		101		79.6-120.4	0.0673	30	
Thallium	159	4.8	mg/Kg wet	153		104		81-119	4.15	30	
Vanadium	87.1	1.9	mg/Kg wet	86.6		101		77.6-122.4	0.753	30	
Zinc	193	1.9	mg/Kg wet	189		102		79.9-120.1	1.64	30	
Duplicate (B195446-DUP1)	**Source: 18A0655-28**			Prepared: 01/24/18 Analyzed: 01/29/18							
Antimony	ND	2.0	mg/Kg dry		ND				NC	35	
Arsenic	ND	2.0	mg/Kg dry		ND				NC	35	
Barium	72.1	2.0	mg/Kg dry		73.1				1.33	35	
Beryllium	ND	0.20	mg/Kg dry		ND				NC	35	
Cadmium	0.407	0.20	mg/Kg dry		0.401				1.34	35	
Chromium	14.0	0.40	mg/Kg dry		14.4				2.63	35	
Copper	23.8	0.40	mg/Kg dry		26.6				11.1	35	
Lead	17.7	0.60	mg/Kg dry		19.0				7.36	35	
Nickel	11.2	0.40	mg/Kg dry		12.2				8.80	35	
Selenium	ND	4.0	mg/Kg dry		ND				NC	35	
Silver	ND	0.40	mg/Kg dry		ND				NC	35	
Thallium	ND	2.0	mg/Kg dry		ND				NC	35	
Vanadium	35.3	0.79	mg/Kg dry		32.9				7.23	35	
Zinc	61.9	0.79	mg/Kg dry		58.5				5.51	35	
MRL Check (B195446-MRL1)				Prepared: 01/24/18 Analyzed: 01/25/18							
Lead	0.555	0.50	mg/Kg wet	0.497		112		80-120			
Matrix Spike (B195446-MS1)	**Source: 18A0655-28**			Prepared: 01/24/18 Analyzed: 01/25/18							
Antimony	9.35	2.0	mg/Kg dry	19.7	1.61	**39.2**	*	75-125			MS-07A
Arsenic	17.5	2.0	mg/Kg dry	19.7	ND	88.8		75-125			
Barium	102	2.0	mg/Kg dry	19.7	73.1	**146**	*	75-125			MS-12
Beryllium	19.0	0.20	mg/Kg dry	19.7	ND	96.5		75-125			
Cadmium	19.2	0.20	mg/Kg dry	19.7	0.401	95.4		75-125			
Chromium	36.9	0.39	mg/Kg dry	19.7	14.4	114		75-125			
Copper	70.4	0.39	mg/Kg dry	39.4	26.6	111		75-125			
Lead	40.4	0.59	mg/Kg dry	19.7	19.0	108		75-125			
Nickel	34.0	0.39	mg/Kg dry	19.7	12.2	111		75-125			
Selenium	16.4	3.9	mg/Kg dry	19.7	ND	83.3		75-125			
Silver	17.7	0.39	mg/Kg dry	19.7	ND	89.7		75-125			
Thallium	20.8	2.0	mg/Kg dry	19.7	ND	105		75-125			
Vanadium	52.0	0.79	mg/Kg dry	19.7	32.9	97.0		75-125			
Zinc	110	0.79	mg/Kg dry	39.4	58.5	**130**	*	75-125			MS-22

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B195446 - SW-846 3050B												
Matrix Spike (B195446-MS2)	**Source: 18A0655-32**			Prepared: 01/24/18 Analyzed: 01/29/18								
Antimony	9.10	1.9	mg/Kg dry	19.1	ND	**47.8**	*	75-125				MS-07A
Arsenic	14.7	1.9	mg/Kg dry	19.1	ND	76.9		75-125				
Barium	122	1.9	mg/Kg dry	19.1	71.9	**264**	*	75-125				MS-23
Beryllium	17.0	0.19	mg/Kg dry	19.1	0.210	88.3		75-125				
Cadmium	16.9	0.19	mg/Kg dry	19.1	0.176	87.9		75-125				
Chromium	41.2	0.38	mg/Kg dry	19.1	24.0	89.9		75-125				
Copper	64.3	0.38	mg/Kg dry	38.1	33.6	80.4		75-125				
Lead	29.8	0.57	mg/Kg dry	19.1	15.8	**73.6**	*	75-125				MS-22
Nickel	36.1	0.38	mg/Kg dry	19.1	21.7	75.5		75-125				
Selenium	15.2	3.8	mg/Kg dry	19.1	ND	79.8		75-125				
Silver	14.9	0.38	mg/Kg dry	19.1	ND	77.9		75-125				
Thallium	16.4	1.9	mg/Kg dry	19.1	ND	85.9		75-125				
Vanadium	61.3	0.76	mg/Kg dry	19.1	41.0	107		75-125				
Zinc	92.1	0.76	mg/Kg dry	38.1	61.6	80.1		75-125				
Matrix Spike Dup (B195446-MSD1)	**Source: 18A0655-28**			Prepared: 01/24/18 Analyzed: 01/25/18								
Antimony	11.1	1.9	mg/Kg dry	19.5	1.61	**48.5**	*	75-125	16.9		35	MS-07A
Arsenic	15.9	1.9	mg/Kg dry	19.5	ND	81.5		75-125	9.67		35	
Barium	115	1.9	mg/Kg dry	19.5	73.1	**213**	*	75-125	11.7		35	MS-12
Beryllium	18.7	0.19	mg/Kg dry	19.5	ND	96.1		75-125	1.51		35	
Cadmium	19.2	0.19	mg/Kg dry	19.5	0.401	96.3		75-125	0.160		35	
Chromium	36.5	0.39	mg/Kg dry	19.5	14.4	114		75-125	1.05		35	
Copper	82.9	0.39	mg/Kg dry	39.0	26.6	**144**	*	75-125	16.3		35	MS-22
Lead	42.7	0.58	mg/Kg dry	19.5	19.0	121		75-125	5.41		35	
Nickel	34.1	0.39	mg/Kg dry	19.5	12.2	112		75-125	0.307		35	
Selenium	16.7	3.9	mg/Kg dry	19.5	ND	85.7		75-125	1.74		35	
Silver	16.6	0.39	mg/Kg dry	19.5	ND	85.2		75-125	6.32		35	
Thallium	17.0	1.9	mg/Kg dry	19.5	ND	87.0		75-125	20.1		35	
Vanadium	78.4	0.78	mg/Kg dry	19.5	32.9	**233**	*	75-125	**40.5**	*	35	MS-23
Zinc	105	0.78	mg/Kg dry	39.0	58.5	119		75-125	4.34		35	
Matrix Spike Dup (B195446-MSD2)	**Source: 18A0655-32**			Prepared: 01/24/18 Analyzed: 01/29/18								
Antimony	8.34	1.9	mg/Kg dry	19.1	ND	**43.6**	*	75-125	8.82		35	MS-07A
Arsenic	15.6	1.9	mg/Kg dry	19.1	ND	81.4		75-125	6.06		35	
Barium	95.7	1.9	mg/Kg dry	19.1	71.9	124		75-125	24.4		35	
Beryllium	17.7	0.19	mg/Kg dry	19.1	0.210	91.2		75-125	3.51		35	
Cadmium	17.5	0.19	mg/Kg dry	19.1	0.176	90.6		75-125	3.34		35	
Chromium	40.8	0.38	mg/Kg dry	19.1	24.0	87.7		75-125	0.883		35	
Copper	68.7	0.38	mg/Kg dry	38.3	33.6	91.6		75-125	6.65		35	
Lead	33.6	0.57	mg/Kg dry	19.1	15.8	93.0		75-125	11.9		35	
Nickel	37.1	0.38	mg/Kg dry	19.1	21.7	80.7		75-125	2.83		35	
Selenium	14.6	3.8	mg/Kg dry	19.1	ND	76.4		75-125	3.98		35	
Silver	15.6	0.38	mg/Kg dry	19.1	ND	81.4		75-125	4.74		35	
Thallium	14.8	1.9	mg/Kg dry	19.1	ND	77.3		75-125	10.2		35	
Vanadium	56.6	0.77	mg/Kg dry	19.1	41.0	81.4		75-125	8.03		35	
Zinc	93.8	0.77	mg/Kg dry	38.3	61.6	84.2		75-125	1.81		35	

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195447 - SW-846 7471										
Blank (B195447-BLK1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	ND	0.025	mg/Kg wet							
LCS (B195447-BS1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	10.1	1.9	mg/Kg wet	9.36		107	73.7-126.3			
LCS Dup (B195447-BSD1)				Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	10.5	1.9	mg/Kg wet	9.36		112	73.7-126.3	4.30	30	
Duplicate (B195447-DUP1)	**Source: 18A0655-28**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	ND	0.031	mg/Kg dry		ND			NC	35	
Matrix Spike (B195447-MS1)	**Source: 18A0655-28**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.212	0.030	mg/Kg dry	0.200	0.0263	93.1	75-125			
Matrix Spike (B195447-MS2)	**Source: 18A0655-32**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.219	0.029	mg/Kg dry	0.195	0.0301	96.7	75-125			
Matrix Spike Dup (B195447-MSD1)	**Source: 18A0655-28**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.216	0.030	mg/Kg dry	0.197	0.0263	96.2	75-125	1.60	35	
Matrix Spike Dup (B195447-MSD2)	**Source: 18A0655-32**			Prepared: 01/24/18 Analyzed: 01/25/18						
Mercury	0.214	0.029	mg/Kg dry	0.193	0.0301	95.2	75-125	2.43	35	
Batch B195637 - SW-846 3051										
Blank (B195637-BLK1)				Prepared: 01/26/18 Analyzed: 01/29/18						
Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Copper	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Nickel	ND	0.33	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
Thallium	ND	1.7	mg/Kg wet							
Vanadium	ND	0.67	mg/Kg wet							
Zinc	ND	0.67	mg/Kg wet							
LCS (B195637-BS1)				Prepared: 01/26/18 Analyzed: 01/29/18						
Antimony	108	5.1	mg/Kg wet	65.1		166	3.8-212			
Arsenic	139	5.1	mg/Kg wet	147		94.5	83-117			
Barium	268	5.1	mg/Kg wet	314		85.5	82.2-117.8			
Beryllium	50.2	0.51	mg/Kg wet	53.4		93.9	82.8-117.2			
Cadmium	173	0.51	mg/Kg wet	193		89.4	82.4-117.6			
Chromium	74.2	1.0	mg/Kg wet	82.6		89.8	81.8-118.2			
Copper	157	1.0	mg/Kg wet	171		92.0	83.6-116.4			
Lead	83.2	1.5	mg/Kg wet	92.3		90.2	82.8-117			
Nickel	127	1.0	mg/Kg wet	137		92.6	82.5-118.2			
Selenium	179	10	mg/Kg wet	187		95.5	79.1-121.4			
Silver	37.0	1.0	mg/Kg wet	40.7		90.9	79.6-120.4			
Thallium	131	5.1	mg/Kg wet	153		85.3	81-119			
Vanadium	77.6	2.0	mg/Kg wet	86.6		89.6	77.6-122.4			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B195637 - SW-846 3051											
LCS (B195637-BS1)				Prepared: 01/26/18 Analyzed: 01/29/18							
Zinc	177	2.0	mg/Kg wet	189		93.6		79.9-120.1			
LCS Dup (B195637-BSD1)				Prepared: 01/26/18 Analyzed: 01/29/18							
Antimony	109	4.8	mg/Kg wet	65.1		167		3.8-212	0.972	30	
Arsenic	137	4.8	mg/Kg wet	147		93.0		83-117	1.59	30	
Barium	276	4.8	mg/Kg wet	314		87.9		82.2-117.8	2.78	30	
Beryllium	49.9	0.48	mg/Kg wet	53.4		93.5		82.8-117.2	0.447	30	
Cadmium	174	0.48	mg/Kg wet	193		90.1		82.4-117.6	0.780	30	
Chromium	76.6	0.96	mg/Kg wet	82.6		92.7		81.8-118.2	3.24	30	
Copper	159	0.96	mg/Kg wet	171		93.0		83.6-116.4	1.07	30	
Lead	84.0	1.4	mg/Kg wet	92.3		91.1		82.8-117	0.985	30	
Nickel	127	0.96	mg/Kg wet	137		92.4		82.5-118.2	0.236	30	
Selenium	179	9.6	mg/Kg wet	187		95.8		79.1-121.4	0.327	30	
Silver	36.4	0.96	mg/Kg wet	40.7		89.5		79.6-120.4	1.51	30	
Thallium	133	4.8	mg/Kg wet	153		86.7		81-119	1.65	30	
Vanadium	79.9	1.9	mg/Kg wet	86.6		92.3		77.6-122.4	2.91	30	
Zinc	180	1.9	mg/Kg wet	189		95.1		79.9-120.1	1.58	30	
Duplicate (B195637-DUP1)		**Source: 18A0655-02RE1**		Prepared: 01/26/18 Analyzed: 01/29/18							
Antimony	ND	1.9	mg/Kg dry		ND				NC	35	
Arsenic	ND	1.9	mg/Kg dry		ND				NC	35	
Barium	79.0	1.9	mg/Kg dry		82.3				4.19	35	
Beryllium	0.489	0.19	mg/Kg dry		0.431				12.7	35	
Cadmium	ND	0.19	mg/Kg dry		ND				NC	35	
Chromium	21.5	0.37	mg/Kg dry		19.9				8.03	35	
Copper	39.3	0.37	mg/Kg dry		36.0				8.76	35	
Lead	9.56	0.56	mg/Kg dry		9.65				0.929	35	
Nickel	20.1	0.37	mg/Kg dry		19.3				3.89	35	
Selenium	ND	3.7	mg/Kg dry		ND				NC	35	
Silver	ND	0.37	mg/Kg dry		ND				NC	35	
Thallium	ND	1.9	mg/Kg dry		ND				NC	35	
Vanadium	35.2	0.74	mg/Kg dry		35.1				0.380	35	
Zinc	56.7	0.74	mg/Kg dry		50.1				12.5	35	
MRL Check (B195637-MRL1)				Prepared: 01/26/18 Analyzed: 01/31/18							
Lead	0.537	0.49	mg/Kg wet	0.491		110		80-120			
Matrix Spike (B195637-MS1)		**Source: 18A0655-02RE1**		Prepared: 01/26/18 Analyzed: 01/29/18							
Antimony	17.5	1.8	mg/Kg dry	18.2	ND	95.8		75-125			
Arsenic	14.7	1.8	mg/Kg dry	18.2	ND	80.5		75-125			
Barium	91.5	1.8	mg/Kg dry	18.2	82.3	**50.1**	*	75-125			MS-19
Beryllium	16.4	0.18	mg/Kg dry	18.2	0.431	87.3		75-125			
Cadmium	16.2	0.18	mg/Kg dry	18.2	0.140	88.0		75-125			
Chromium	36.8	0.36	mg/Kg dry	18.2	19.9	92.6		75-125			
Copper	67.2	0.36	mg/Kg dry	36.5	36.0	85.4		75-125			
Lead	24.7	0.55	mg/Kg dry	18.2	9.65	82.7		75-125			
Nickel	36.2	0.36	mg/Kg dry	18.2	19.3	92.6		75-125			
Selenium	12.9	3.6	mg/Kg dry	18.2	ND	**70.9**	*	75-125			MS-07
Silver	14.5	0.36	mg/Kg dry	18.2	ND	79.8		75-125			
Thallium	13.9	1.8	mg/Kg dry	18.2	ND	76.2		75-125			
Vanadium	49.9	0.73	mg/Kg dry	18.2	35.1	81.0		75-125			
Zinc	83.2	0.73	mg/Kg dry	36.5	50.1	90.9		75-125			

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B195355 - % Solids										
Duplicate (B195355-DUP1)	**Source: 18A0655-01**			Prepared: 01/23/18 Analyzed: 01/24/18						
% Solids	85.6		% Wt		86.1			0.620	20	
Duplicate (B195355-DUP2)	**Source: 18A0655-14**			Prepared: 01/23/18 Analyzed: 01/24/18						
% Solids	84.7		% Wt		85.2			0.619	20	
Duplicate (B195355-DUP3)	**Source: 18A0655-20**			Prepared: 01/23/18 Analyzed: 01/24/18						
% Solids	89.4		% Wt		88.9			0.539	20	
Duplicate (B195355-DUP4)	**Source: 18A0655-28**			Prepared: 01/23/18 Analyzed: 01/24/18						
% Solids	85.1		% Wt		84.2			1.00	20	
Duplicate (B195355-DUP5)	**Source: 18A0655-32**			Prepared: 01/23/18 Analyzed: 01/24/18						
% Solids	87.7		% Wt		87.4			0.341	20	
Duplicate (B195355-DUP6)	**Source: 18A0655-37**			Prepared: 01/23/18 Analyzed: 01/24/18						
% Solids	85.4		% Wt		85.3			0.216	20	

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

B-199A (0-0.5)

Lab Sample ID: 18A0655-09 Date(s) Analyzed: 01/26/2018 01/26/2018

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

GC Column (1): ID: (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	0.13	16.7

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

B-189A (0-0.5)

Lab Sample ID: 18A0655-14 Date(s) Analyzed: 01/26/2018 01/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.57	
	2	0.000	-0.030	0.030	0.58	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

B-189B (3-4)

Lab Sample ID: 18A0655-15 Date(s) Analyzed: 01/26/2018 01/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.36	
	2	0.000	-0.030	0.030	0.36	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

B-190A (0-0.5)

Lab Sample ID: 18A0655-19 Date(s) Analyzed: 01/26/2018 01/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	6.5

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

B-188A (0-0.5)

Lab Sample ID: 18A0655-28 Date(s) Analyzed: 01/26/2018 01/26/2018

Instrument ID (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	0.14	
	2	0.000	-0.030	0.030	0.13	7.4
Aroclor-1260	1	0.000	-0.030	0.030	0.49	
	2	0.000	-0.030	0.030	0.51	2.0

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

B-188B (3-4)

Lab Sample ID: 18A0655-29 Date(s) Analyzed: 01/26/2018 01/26/2018

Instrument ID (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	0.13	
	2	0.000	-0.030	0.030	0.13	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.43	
	2	0.000	-0.030	0.030	0.45	2.3

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

B-190C (7-8)

Lab Sample ID: 18A0655-31 Date(s) Analyzed: 01/28/2018 01/28/2018

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

GC Column (1): ID: (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	0.11	8.7

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

B-190D (10-12)

Lab Sample ID: 18A0655-32 Date(s) Analyzed: 01/29/2018 01/29/2018

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

GC Column (1): ID: (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	1.5	14.3

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

Decon Water

Lab Sample ID: 18A0655-42 Date(s) Analyzed: 01/26/2018 01/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.3	0.0
Aroclor-1260	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	2.1	0.0

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-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.
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-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
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-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.
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-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
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.
MS-23	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 outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
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-18	Surrogate recovery is outside of control limits, matrix interference suspected. Insufficient sample available for reanalysis.
S-25	Surrogate recovery is outside of control limits due to suspected matrix interference. Samples of a clay-like matrix historically have exhibited low surrogate recovery.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reported result is estimated.
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.

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) 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.

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
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

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-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

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	
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

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	
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



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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
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
Anthracene	CT,NY,NH,ME,NC,VA
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,ME,NC,VA
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

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	
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,ME,NC,VA
Chrysene	CT,NY,NH
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
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
Fluoranthene	CT,NY,NH,ME,NC,VA
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
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH,ME,NC,VA
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

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	
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
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
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
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
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	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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	12/14/2018
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

CHAIN OF CUSTODY RECORD

18A0655

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 1_03242017

Page _____ of _____

Company Name: Weston & Sampson
Address: 273 Dividend Rd, Rocky Hill, CT 06067
Phone: 1-800-SAMPSON
Project Name: Berlin Geiftline Basin
Project Location: 107 Selden St Berlin CT
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Stnd 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: Pagliuca @ wseinc.com
CLP Like Data Pkg Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCBs	SVOCs	CT ETPH	RSR 15 Metals	VOCs										# of Containers / Preservation Code / Container Code
																						1 / I / A
																						1 / I / A
																						3 / I,O,M / V
01	B-191A (0-0.5)	01/19/18	0850		X	S	U		X	X	X											
02	B-191B (10-12)		0855						X	X	X	X										
03	B-191C (13-14)		0900								X											
04	B-200A (0-0.5)		1102					X	X	X	X											
05	B-200B (3-4)		1104					X														
06	B-200C (5-7)		1106					X	x	X	x	x										
07	B-200D (7-8)		1108					X														
08	B-200E (13-14)		1110								X											
09	B-199A (0-0.5)		1140					X														
10	B-199B (3-4)	↓	1142		↓	↓	↓	X														

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
~~DI H2O MP~~

[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)
DI H2O

[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:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed.
Please do MS/MSD analysis on B-191A (0-0.5) for all analysis (VOCs, Metals, ETPH) marked

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:
	1/22/18 10:50
Relinquished by: (signature)	Date/Time:
	1/22/18 12:35
Received by: (signature)	Date/Time:
1.22.18	12:35
Relinquished by: (signature) 4.1, 3.8, 4.2	Date/Time: 3.9
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA PMC
RES DEC I/C DEC
Other

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

con-test ANALYTICAL LABORATORY www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

18A0655

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

http://www.contestlabs.com Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Weston & Sampson
Address: 273 Dividend Road, Rocky Hill CT 06067
Phone: 1-800 -SAMPSON
Project Name: Berlin Settling Basin
Project Location: 107 Selden St Berlin CT
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pagliucag@wsinc.com
CLP Like Data Pkg Required? ☐
Email To: beelerm@wsinc.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	SVOCs	CT ETPH	RSR 15 Metals	VOCs	PAHs	# of Containers	[2] Preservation Code	[3] Container Code
														1	I	A
														1	I	A
														1	I	A
														3	I,O,M	V
11	B-188D (10-11)	1/19/18	1455		X	S	U				X					
12	B-188E (13-15)		1500					X	X	X	X	X				
13	B-189F (12-13)		1502							X			X			
14	B-189A (0-0.5)		1530					X	X	X	X					
15	B-189B (3-4)		1532					X								
16	B-189C (7-8)		1534					X								
17	B-189D (10-12)		1536					X	X	X	X	X				
18	B-189E (13-14)		1538								X					
19	B-190A (0-0.5)		1620					X	X	X	X					
20	B-190B (3-4)	↓	1624		↓	↓	↓	X								

ANALYSIS REQUESTED

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

[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) DI H2O

[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:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed.
Please do MS/MSD on B-189A (0-0.5) for metals & on B-190B (3-4) for PCBs.

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:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

1/22/18	10:50
1/22/18	12:35
1.22.18	12:35

Detection Limit Requirements
MA
CT GA PMC
RES DEC I/C DEC
Other

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

con-test ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test® ANALYTICAL LABORATORY

18A0655

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Weston & Sampson
Address: 273 Dividend Road, Rocky Hill, CT 06067
Phone: 1-800-SAMPSON
Project Name: Berlin Settling Basin
Project Location: 107 Selden St Berlin, CT
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pagliucag@wseinc.com
CLP Like Data Pkg Required: ☐
Email To: Beelerm@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers	Preservation Code	Container Code	PCBs	SVOCs	CT ETPH	RSR IS Metals	VOCs
21	B-199C (7-8)	1/19/18	1144		X	S	U	1	I	A	X				
22	B-198A (0-0.5)		1200					1	I	A	X				
23	B-198 B(3-4)		1202					1	I	A	X				
24	B-198 C (7-8)		1204					1	I	A	X				
25	B-194A (0-0.50)		1240					1	I	A		X	X	X	
26	B-194 B (10-12)		1242					1	I	A		X	X	X	X
27	B-194 C (13-14)		1244					1	I	A				X	
28	B-188A (0-0.5)		1452					1	I	A	X	X	X	X	
29	B-188B (3-4)		1454					1	I	A	X				
30	B-188C (7-8)		1456					1	I	A	X				

ANALYSIS REQUESTED

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
DI H2O MS

[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)
DI H2O

[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:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed.
Please do MS/MSD for B-188A (0-0.5) for (PCBs, ETPH, SVOCs, Metals).

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:
[illegible] 1/22/18	10:50
Relinquished by: (signature)	Date/Time:
[illegible] 1/22/18	12:35
Received by: (signature)	Date/Time:
[illegible] 1.22.18	12:35
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA PMC
RES DEC I/C DEC
Other

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

con-test® ANALYTICAL LABORATORY www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

18A0605S

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Weston & Sampson
Address: 273 Dingad Road, Rocky Hill, CT 06067
Phone: 1-800-SAMPSON
Project Name: Berlin Setting Basin
Project Location: 107 Selden St, Berlin CT
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Gabrielle Pallini & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Stnd 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: gaylmurray@wsinc.com
CLP Like Data Pkg Required: ☐
Email To: Beelerm@wsinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB's	SVOCs	CT ETPH	RSR IS Metals	VOCs								
31	B-190 C(7-8)	1/19/18	1624		X	S	U	X												
32	B-190D (10-12)	1/19/18	1626		X	S	U	X	X	X	X	X								
33	B-190E (13-14)	1/19/18	1628		X	S	U				X									
34	DUP-3	↓	—		↓	↓	↓		X	X		X								
35	DUP-4		—								X									
36	DUP-5		—					X	X	X	X									
37	DUP-6		—					X												
38	DUP-7	↓	—		↓	↓	↓				X									

Comments:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been received.
Please do MS/MSD on B-190D (10-12) for VOCs.

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:
[illegible] 1/22/18	10:50
Relinquished by: (signature)	Date/Time:
[illegible] 1/22/18	1235
[illegible]ived by: (signature)	Date/Time:
[illegible] 1.22.18	12:35
[illegible]nquished by: (signature)	Date/Time:
[illegible]eived by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA PMC
RES DEC I/C DEC
Other

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

con-test ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

# of Containers / ² Preservation Code / ³ Container Code

1		1	1	1							
I		I	I	I.O.M							
A		A	A	V							

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

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) DI H2O

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

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

18A06055

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Weston & Sampson
Address: 273 Dividend Road. Rocky Hill CT 06067
Phone: 1-800 SAMPSON
Project Name: Berlin Settling Basin
Project Location: 107 Selden St Berlin CT
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Gabriella Pagliuca & Chris Bertniaum

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pagliuca g@weinc.com
CLP Like Data Pkg Required: ☐
Email To: beelerm@weinc.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	SVOCs	Ext Extpt	RSR 15 Metals	VOCs
								1	1	1	1	3
								I	E	I	IN	I,H
								A	A	A	P	V
39	EB-011918	1/19/18	1750		X	O	U	X	X	X	X	X
40	EB-011818	1/18/18	1700		X	O	U				X	
41	TB-011918	1/19/18	—									X
42	Decon Water	1/19/18	1630		X	W	U	X				

ANALYSIS REQUESTED

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

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

Comments:

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

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) purge/unpurged H2O
W = water

[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:
Received by: (signature)	Date/Time: 1/22/18 10.50
Relinquished by: (signature)	Date/Time: 1/22/18 12:35
Received by: (signature)	Date/Time: 1.22.18 12:35
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA PMC
RES DEC ITCDEC
Other

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

con-test ANALYTICAL LABORATORY www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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 PB Date 1.22.18 Time 12:35

How were the samples received? In Cooler T - 4 No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 557 Actual Temp - 4.1, 3.8, 4.2 + 3.9
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? F MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? Acid T Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	7	1 Liter Plastic		16 oz Amb.	666
HCL-	5	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-	9	250 mL Amb.		250 mL Plastic	2	4oz Amb/Clear	
Bisulfate-	18	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\A012518.SEC\A0125007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/25/18
Data File Name	A0125007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	623035	641159	-3
c - 10	1.61	633149	641159	-1
c - 12	2.33	642092	641159	0
c - 14	3.00	656198	641159	2
c - 16	3.59	668500	641159	4
c - 18	4.19	670603	641159	5
o-Terphenyl	4.48	743692	641159	
c - 20	4.80	680626	641159	6
c - 22	5.31	680329	641159	6
c - 24	5.74	673237	641159	5
c - 26	6.13	670601	641159	5
c - 28	6.49	662841	641159	3
c - 30	6.82	653163	641159	2
c - 32	7.14	607623	641159	-5
c - 34	7.43	559105	641159	-13
c - 36	7.73	536277	641159	-16

* One compound allowed %D </= 50%

Samples
18A0655-34
18A0655-32
18A0655-26
18A0652-01@100X
18A0652-04@250X

D:\HPCHEM\1\DATA\A012518\A0125006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/25/18
Data File Name	A0125006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	486133	503731	-3
c - 10	1.61	496435	503731	-1
c - 12	2.34	505805	503731	0
c - 14	3.01	514766	503731	2
c - 16	3.62	524358	503731	4
c - 18	4.23	525957	503731	4
o-Terphenyl	4.52	575803	503731	
c - 20	4.84	527355	503731	5
c - 22	5.35	528457	503731	5
c - 24	5.79	522300	503731	4
c - 26	6.18	519320	503731	3
c - 28	6.54	519960	503731	3
c - 30	6.88	518260	503731	3
c - 32	7.19	484341	503731	-4
c - 34	7.48	453217	503731	-10
c - 36	7.81	429306	503731	-15

* One compound allowed %D </= 50%

Samples
18A0652-02@250X
18A0655-25@5X

D:\HPCHEM\1\DATA\A012418\A0124018.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124018.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	473716	492520	-4
c - 10	1.61	483594	492520	-2
c - 12	2.34	491609	492520	0
c - 14	3.01	500621	492520	2
c - 16	3.62	510785	492520	4
c - 18	4.23	514923	492520	5
o-Terphenyl	4.52	566390	492520	
c - 20	4.84	519117	492520	5
c - 22	5.35	521606	492520	6
c - 24	5.79	516514	492520	5
c - 26	6.18	511044	492520	4
c - 28	6.54	509782	492520	4
c - 30	6.88	507361	492520	3
c - 32	7.19	472532	492520	-4
c - 34	7.48	440291	492520	-11
c - 36	7.81	414308	492520	-16

* One compound allowed %D </= 50%

Samples
18A0652-03
18A0655-04
18A0655-12
18A0506-05@20X
18A0506-07@10X
18A0655-13@5X

D:\HPCHEM\1\DATA\A012418\A0124070.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124070.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	503436	522133	-4
c - 10	1.61	516895	522133	-1
c - 12	2.34	525915	522133	1
c - 14	3.01	535271	522133	3
c - 16	3.62	544425	522133	4
c - 18	4.23	547669	522133	5
o-Terphenyl	4.52	597386	522133	
c - 20	4.84	547217	522133	5
c - 22	5.35	545799	522133	5
c - 24	5.79	540488	522133	4
c - 26	6.18	536228	522133	3
c - 28	6.54	536980	522133	3
c - 30	6.88	536003	522133	3
c - 32	7.19	501106	522133	-4
c - 34	7.48	467505	522133	-10
c - 36	7.81	447057	522133	-14

* One compound allowed %D </= 50%

Samples
18A0655-19
18A0655-36
18A0655-28

D:\HPCHEM\1\DATA\A012418.SEC\A0124071.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124071.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	622719	643589	-3
c - 10	1.61	639149	643589	-1
c - 12	2.33	649677	643589	1
c - 14	2.99	659734	643589	3
c - 16	3.59	669274	643589	4
c - 18	4.19	671708	643589	4
o-Terphenyl	4.48	741334	643589	
c - 20	4.80	676540	643589	5
c - 22	5.30	676462	643589	5
c - 24	5.74	673424	643589	5
c - 26	6.13	668639	643589	4
c - 28	6.49	665404	643589	3
c - 30	6.82	660639	643589	3
c - 32	7.13	613360	643589	-5
c - 34	7.42	567571	643589	-12
c - 36	7.73	539534	643589	-16

* One compound allowed %D </= 50%

Samples
18A0554-27

D:\HPCHEM\1\DATA\A012418.SEC\A0124019.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/24/18
Data File Name	A0124019.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	602681	627275	-4
c - 10	1.61	615537	627275	-2
c - 12	2.33	624447	627275	0
c - 14	3.00	635686	627275	1
c - 16	3.59	647761	627275	3
c - 18	4.19	652301	627275	4
o-Terphenyl	4.48	725363	627275	
c - 20	4.80	658332	627275	5
c - 22	5.30	662575	627275	6
c - 24	5.74	659139	627275	5
c - 26	6.13	655191	627275	4
c - 28	6.49	654877	627275	4
c - 30	6.82	649949	627275	4
c - 32	7.13	603305	627275	-4
c - 34	7.42	559959	627275	-11
c - 36	7.73	527388	627275	-16

* One compound allowed %D </= 50%

Samples
18A0655-02
18A0655-06
18A0655-17
18A0655-14
18A0655-01
18A0582-16
18A0506-02
18A0582-04
18A0582-15
18A0582-27
18A0554-04

D:\HPCHEM\1\DATA\A012618.SEC\A0126007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/26/18
Data File Name	A0126007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	604944	624115	-3
c - 10	1.61	613781	624115	-2
c - 12	2.33	619847	624115	-1
c - 14	3.00	633071	624115	1
c - 16	3.59	647089	624115	4
c - 18	4.20	652101	624115	4
o-Terphenyl	4.48	722581	624115	
c - 20	4.80	659054	624115	6
c - 22	5.31	661913	624115	6
c - 24	5.74	657720	624115	5
c - 26	6.13	653425	624115	5
c - 28	6.49	649711	624115	4
c - 30	6.82	642130	624115	3
c - 32	7.13	594168	624115	-5
c - 34	7.43	551396	624115	-12
c - 36	7.73	521382	624115	-16

* One compound allowed %D </= 50%

Samples
18A0574-04
18A0574-02
18A0574-03
18A0574-05
18A0574-07
18A0655-39
18A0665-01
18A0604-06
18A0604-07
18A0604-08
18A0604-09
18A0604-10
18A0604-11
18A0604-04
18A0604-12

D:\HPCHEM\1\DATA\A012618\A0126006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 1/26/18
Data File Name A0126006.D
Sample Name ETPH 1500
Instrument Name 890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	474349	491464	-3
c - 10	1.61	483509	491464	-2
c - 12	2.34	491549	491464	0
c - 14	3.01	501162	491464	2
c - 16	3.62	510422	491464	4
c - 18	4.23	513043	491464	4
o-Terphenyl	4.52	562371	491464	
c - 20	4.84	515793	491464	5
c - 22	5.35	515398	491464	5
c - 24	5.79	510258	491464	4
c - 26	6.18	507100	491464	3
c - 28	6.54	508124	491464	3
c - 30	6.88	507620	491464	3
c - 32	7.19	475132	491464	-3
c - 34	7.48	444316	491464	-10
c - 36	7.81	414187	491464	-16

* One compound allowed %D </= 50%

Samples
18A0604-01
18A0530-03
18A0665-03
18A0604-13
18A0604-03
18A0604-05
18A0665-02
18A0696-01
18A0696-05

D:\HPCHEM\1\DATA\A012718.SEC\A0127007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/27/18
Data File Name	A0127007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	620466	639288	-3
c - 10	1.61	630768	639288	-1
c - 12	2.33	638960	639288	0
c - 14	3.00	646528	639288	1
c - 16	3.59	666161	639288	4
c - 18	4.19	671002	639288	5
o-Terphenyl	4.48	742840	639288	
c - 20	4.80	676766	639288	6
c - 22	5.30	679425	639288	6
c - 24	5.74	674041	639288	5
c - 26	6.13	667890	639288	4
c - 28	6.49	664273	639288	4
c - 30	6.82	655393	639288	3
c - 32	7.13	606862	639288	-5
c - 34	7.42	562993	639288	-12
c - 36	7.73	527784	639288	-17

* One compound allowed %D </= 50%

Samples
18A0611-01
18A0611-02
18A0611-03
18A0604-14

D:\HPCHEM\1\DATA\A012718\A0127006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	1/27/18
Data File Name	A0127006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	490687	515434	-5
c - 10	1.61	500937	515434	-3
c - 12	2.34	511350	515434	-1
c - 14	3.01	522597	515434	1
c - 16	3.62	533772	515434	4
c - 18	4.23	538864	515434	5
o-Terphenyl	4.52	593883	515434	
c - 20	4.84	543390	515434	5
c - 22	5.35	543753	515434	5
c - 24	5.78	538399	515434	4
c - 26	6.18	533825	515434	4
c - 28	6.54	533845	515434	4
c - 30	6.88	533277	515434	3
c - 32	7.19	500040	515434	-3
c - 34	7.48	466575	515434	-9
c - 36	7.81	440200	515434	-15

* One compound allowed %D </= 50%

Samples
18A0655-25RE1@5X
18A0696-05@20X
18A0696-04@10X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 107 Selden St., Berlin, CT

Project Number: 18A0655

Laboratory Sample ID(s):

18A0655-01 thru 18A0655-42

Sample Date(s):

01/18/2018,
01/19/2018

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:** 01/31/18

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

February 9, 2018

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

Project Location: 107 Seldon St., Berlin, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18B0001

Enclosed are results of analyses for samples received by the laboratory on February 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary 3
Case Narrative 4
Sample Results 5
18B0001-01 5
Sample Preparation Information 8
QC Data 9
SPLP - Semivolatile Organic Compounds by GC/MS 9
B196164 9
SPLP - Semivolatile Organic Compounds by GC 11
B196161 11
B196441 11
Flag/Qualifier Summary 12
Certifications 13
Chain of Custody/Sample Receipt 14

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: 2/9/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0001

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

PROJECT LOCATION: 107 Seldon St., Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-206B (3-4)	18B0001-01	Soil		CTDEP ETPH SM 2540G SW-846 8270D	

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

CASE NARRATIVE SUMMARY

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

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

B196161-BS1

SW-846 8270D

Qualifications:

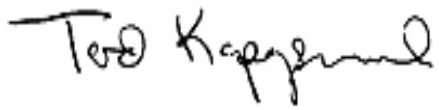
RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

18B0001-01[B-206B (3-4)]

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: 107 Seldon St., Berlin, CT | Sample Description: | Work Order: 18B0001

Date Received: 2/1/2018

Field Sample #: B-206B (3-4) | Sampled: 1/17/2018 15:08

Sample ID: 18B0001-01

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	91.0		% Wt	1		SM 2540G	2/2/18	2/2/18 10:53	DMP

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

Project Location: 107 Seldon St., Berlin, CT | Sample Description: | Work Order: 18B0001

Date Received: 2/1/2018

Field Sample #: B-206B (3-4) | Sampled: 1/17/2018 15:08

Sample ID: 18B0001-01

Sample Matrix: Soil

Sample Flags: RL-12

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	31	3.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Acenaphthylene (SIM)	ND	3.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Anthracene (SIM)	11	2.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Benzo(a)anthracene (SIM)	4.1	0.50	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Benzo(a)pyrene (SIM)	3.0	1.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Benzo(b)fluoranthene (SIM)	3.7	0.50	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Benzo(g,h,i)perylene (SIM)	ND	5.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Benzo(k)fluoranthene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Chrysene (SIM)	4.0	2.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Dibenz(a,h)anthracene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Fluoranthene (SIM)	19	5.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Fluorene (SIM)	18	10	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Indeno(1,2,3-cd)pyrene (SIM)	2.0	2.0	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
2-Methylnaphthalene (SIM)	ND	10	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Naphthalene (SIM)	ND	10	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Phenanthrene (SIM)	40	0.50	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM
Pyrene (SIM)	17	10	µg/L	10		SW-846 8270D	2/5/18	2/8/18 8:00	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	80.2	30-130		2/8/18 8:00
2-Fluorobiphenyl	83.9	30-130		2/8/18 8:00
p-Terphenyl-d14	44.2	30-130		2/8/18 8:00

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

Project Location: 107 Seldon St., Berlin, CT | Sample Description: | Work Order: 18B0001

Date Received: 2/1/2018

Field Sample #: B-206B (3-4) | Sampled: 1/17/2018 15:08

Sample ID: 18B0001-01

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.61	0.075	mg/L	1		CTDEP ETPH	2/8/18	2/9/18 10:28	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	60.8	50-150				2/9/18 10:28	

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 3510C-CTDEP ETPH **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0001-01RE1 [B-206B (3-4)]	B196441	1000	1.00	02/08/18

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18B0001-01 [B-206B (3-4)]	B195159	02/02/18

Prep Method: SW-846 3510C-SW-846 8270D **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0001-01 [B-206B (3-4)]	B196164	1000	1.00	02/05/18

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196164 - SW-846 3510C										
Blank (B196164-BLK1)				Prepared: 02/05/18 Analyzed: 02/07/18						
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	*68.4*		µg/L	100		68.4	30-130			
Surrogate: 2-Fluorobiphenyl	*69.2*		µg/L	100		69.2	30-130			
Surrogate: p-Terphenyl-d14	*59.7*		µg/L	100		59.7	30-130			
LCS (B196164-BS1)				Prepared: 02/05/18 Analyzed: 02/07/18						
Acenaphthene (SIM)	33.4	7.5	µg/L	50.0		66.9	40-140			
Acenaphthylene (SIM)	32.4	7.5	µg/L	50.0		64.8	40-140			
Anthracene (SIM)	35.1	5.0	µg/L	50.0		70.2	40-140			
Benzo(a)anthracene (SIM)	33.4	1.2	µg/L	50.0		66.7	40-140			
Benzo(a)pyrene (SIM)	36.0	2.5	µg/L	50.0		72.1	40-140			
Benzo(b)fluoranthene (SIM)	34.8	1.2	µg/L	50.0		69.6	40-140			
Benzo(g,h,i)perylene (SIM)	35.0	12	µg/L	50.0		70.0	40-140			
Benzo(k)fluoranthene (SIM)	35.6	5.0	µg/L	50.0		71.3	40-140			
Chrysene (SIM)	30.9	5.0	µg/L	50.0		61.8	40-140			
Dibenz(a,h)anthracene (SIM)	39.3	5.0	µg/L	50.0		78.6	40-140			
Fluoranthene (SIM)	34.3	12	µg/L	50.0		68.6	40-140			
Fluorene (SIM)	35.4	25	µg/L	50.0		70.9	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	38.0	5.0	µg/L	50.0		76.0	40-140			
2-Methylnaphthalene (SIM)	33.8	25	µg/L	50.0		67.5	40-140			
Naphthalene (SIM)	33.2	25	µg/L	50.0		66.4	40-140			
Phenanthrene (SIM)	32.7	1.2	µg/L	50.0		65.4	40-140			
Pyrene (SIM)	31.6	25	µg/L	50.0		63.2	40-140			
Surrogate: Nitrobenzene-d5	*67.3*		µg/L	100		67.3	30-130			
Surrogate: 2-Fluorobiphenyl	*75.6*		µg/L	100		75.6	30-130			
Surrogate: p-Terphenyl-d14	*59.5*		µg/L	100		59.5	30-130			

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196164 - SW-846 3510C										
LCS Dup (B196164-BSD1)				Prepared: 02/05/18 Analyzed: 02/07/18						
Acenaphthene (SIM)	35.6	7.5	µg/L	50.0		71.3	40-140	6.37	20	
Acenaphthylene (SIM)	34.6	7.5	µg/L	50.0		69.2	40-140	6.56	20	
Anthracene (SIM)	37.3	5.0	µg/L	50.0		74.6	40-140	6.22	20	
Benzo(a)anthracene (SIM)	36.0	1.2	µg/L	50.0		71.9	40-140	7.50	20	
Benzo(a)pyrene (SIM)	38.8	2.5	µg/L	50.0		77.5	40-140	7.22	20	
Benzo(b)fluoranthene (SIM)	37.7	1.2	µg/L	50.0		75.4	40-140	7.99	20	
Benzo(g,h,i)perylene (SIM)	37.3	12	µg/L	50.0		74.6	40-140	6.50	20	
Benzo(k)fluoranthene (SIM)	38.5	5.0	µg/L	50.0		77.0	40-140	7.69	20	
Chrysene (SIM)	33.4	5.0	µg/L	50.0		66.7	40-140	7.71	20	
Dibenz(a,h)anthracene (SIM)	42.1	5.0	µg/L	50.0		84.2	40-140	6.82	20	
Fluoranthene (SIM)	36.5	12	µg/L	50.0		73.0	40-140	6.22	20	
Fluorene (SIM)	37.6	25	µg/L	50.0		75.2	40-140	5.95	20	
Indeno(1,2,3-cd)pyrene (SIM)	40.4	5.0	µg/L	50.0		80.8	40-140	5.99	20	‡
2-Methylnaphthalene (SIM)	36.0	25	µg/L	50.0		72.0	40-140	6.38	20	
Naphthalene (SIM)	34.7	25	µg/L	50.0		69.4	40-140	4.49	20	
Phenanthrene (SIM)	35.1	1.2	µg/L	50.0		70.2	40-140	7.15	20	
Pyrene (SIM)	33.9	25	µg/L	50.0		67.8	40-140	7.18	20	
Surrogate: Nitrobenzene-d5	*71.9*		µg/L	100		71.9	30-130			
Surrogate: 2-Fluorobiphenyl	*76.1*		µg/L	100		76.1	30-130			
Surrogate: p-Terphenyl-d14	*60.2*		µg/L	100		60.2	30-130			
Matrix Spike (B196164-MS1)	**Source: 18B0001-01**			Prepared: 02/05/18 Analyzed: 02/07/18						
Acenaphthene (SIM)	56.5	7.5	µg/L	50.0	31.3	50.4	40-140			
Acenaphthylene (SIM)	37.3	7.5	µg/L	50.0	0.520	73.5	40-140			
Anthracene (SIM)	45.4	5.0	µg/L	50.0	11.0	68.9	40-140			
Benzo(a)anthracene (SIM)	41.2	1.2	µg/L	50.0	4.07	74.3	40-140			
Benzo(a)pyrene (SIM)	43.3	2.5	µg/L	50.0	3.02	80.6	40-140			
Benzo(b)fluoranthene (SIM)	41.6	1.2	µg/L	50.0	3.67	76.0	40-140			
Benzo(g,h,i)perylene (SIM)	41.5	12	µg/L	50.0	1.78	79.4	40-140			
Benzo(k)fluoranthene (SIM)	41.5	5.0	µg/L	50.0	1.40	80.2	40-140			
Chrysene (SIM)	38.1	5.0	µg/L	50.0	3.96	68.2	40-140			
Dibenz(a,h)anthracene (SIM)	45.4	5.0	µg/L	50.0	0.560	89.7	40-140			
Fluoranthene (SIM)	51.0	12	µg/L	50.0	18.6	64.7	40-140			
Fluorene (SIM)	50.0	25	µg/L	50.0	18.2	63.6	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	45.0	5.0	µg/L	50.0	2.02	85.9	40-140			
2-Methylnaphthalene (SIM)	38.4	25	µg/L	50.0	0.160	76.5	40-140			
Naphthalene (SIM)	38.8	25	µg/L	50.0	0.590	76.5	40-140			
Phenanthrene (SIM)	63.4	1.2	µg/L	50.0	40.0	46.7	40-140			
Pyrene (SIM)	46.7	25	µg/L	50.0	17.4	58.6	40-140			
Surrogate: Nitrobenzene-d5	*79.6*		µg/L	100		79.6	30-130			
Surrogate: 2-Fluorobiphenyl	*84.0*		µg/L	100		84.0	30-130			
Surrogate: p-Terphenyl-d14	*46.9*		µg/L	100		46.9	30-130			

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B196161 - SW-846 3510C											
Blank (B196161-BLK1)				Prepared: 02/05/18 Analyzed: 02/06/18							
CT ETPH	ND	0.075	mg/L								
Surrogate: o-Terphenyl	*0.0682*		mg/L	0.100		68.2		50-150			
LCS (B196161-BS1)				Prepared: 02/05/18 Analyzed: 02/06/18							
CT ETPH	0.575	0.075	mg/L	1.00		**57.5**	*	60-120			L-07
Surrogate: o-Terphenyl	*0.0576*		mg/L	0.100		57.6		50-150			
LCS Dup (B196161-BSD1)				Prepared: 02/05/18 Analyzed: 02/06/18							
CT ETPH	0.632	0.075	mg/L	1.00		63.2		60-120	9.39	30	
Surrogate: o-Terphenyl	*0.0628*		mg/L	0.100		62.8		50-150			
Batch B196441 - SW-846 3510C											
Blank (B196441-BLK1)				Prepared: 02/08/18 Analyzed: 02/09/18							
CT ETPH	ND	0.075	mg/L								
Surrogate: o-Terphenyl	*0.0764*		mg/L	0.100		76.4		50-150			
LCS (B196441-BS1)				Prepared: 02/08/18 Analyzed: 02/09/18							
CT ETPH	0.730	0.075	mg/L	1.00		73.0		60-120			
Surrogate: o-Terphenyl	*0.0793*		mg/L	0.100		79.3		50-150			
LCS Dup (B196441-BSD1)				Prepared: 02/08/18 Analyzed: 02/09/18							
CT ETPH	0.749	0.075	mg/L	1.00		74.9		60-120	2.55	30	
Surrogate: o-Terphenyl	*0.0805*		mg/L	0.100		80.5		50-150			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-12	Elevated reporting limit due to matrix interference.

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 Water	
CT ETPH	CT

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2018
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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	12/14/2018
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

http: 16A0552 Doc # 381 Rev 1_03242017

con-test ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

18B0009

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 5

Company Name:	Weston & Sampson
Address:	100 Dividend Road, Rocky Hill, CT 06067
Phone:	1-800-SAMPSON
Project Name:	Berlin Settling Basin
Project Location:	Berlin, CT
Project Number:	
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler
Sampled By:	Gabriella Payneca & Chris B.

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: jaylivery@wsinc.com
CLP Like Data Pkg Required: ☐
Email To: beelerm@wsinc.com
Fax To #:

| | | |

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	1-800-SAMPSON SAMPSON
Project Name:	Berlin Settlers Barn
Project Location:	107 Selden Street, Berlin CT
Project Number:	
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler
Sampled By:	Gabriella Paglucci & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: gaglucci@weinc.com
CLP Like Data Pkg Required: ☐
Email To: beelerm@weinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB's	SVOC's	ETPH	RSR 15 Metals	VOC's	# of Containers
													[2] Preservation Code
													[3] Container Code
								1		1	1	3	
								I		I	I	I,M	
								A		A	A	A	
11	B-209B (3.0-4.0)	1/17/18	1417		X	S	U	X					
12	B-209C (7.0-8.0)		1419					X					
13	B-209D (10'-12')		1421					X	X	X	X	X	
14	B-209E (13.0-14.0)		1423								X		
15	B-209A (00-0.5)		1255					X					
16	B-209B (3.0-4.0)		1257					X					
17	B-209C (7.0-8.0)		1259					X					
18	B-210A (0.0-0.5)		1230					X					
19	B-210B (3.0-4.0)		1232					X					
20	B-210C (7.0-8.0)	↓	1234		↓	↓	↓	X					

Comments:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed
Please run B-210A (0.0-0.5') for MS/MSD

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

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
DI H2O

[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)

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

Relinquished by: (signature)	Date/Time:
	1/19/18 1045
Received by: (signature)	Date/Time:
	1/19/18 10:45
Relinquished by: (signature)	Date/Time:
	1/19/18 17:22
Received by: (signature)	Date/Time:
3/4.5/4.6	1-19-18 17:22
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GT GA PMC
RCP DEL I/C DEL
Other:

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

con-test ANALYTICAL LABORATORY
www.contestlabs.com
Encore Frozen on 1-19-18 @ 17:22
DI H2O Frozen on 1-19-18 @ 17:22
RELINQUISHED BY LAB if Required

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston and Sampson

Received By ESD Date 1-19-18 Time 17:22

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 # 537 Actual Temp - 3.1/4.6/4.5
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NP Were Samples Tampered with? NP
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? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	26
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	ED ~~8~~ 2
Meoh-	1	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	ED2
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	2	Other Plastic		Other Glass		Encore	1
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:

DI water Frozen on 1-18-18 @ 17:22
Encore Frozen on 1-19-18 @ 1722

D:\HPCHEM\1\DATA\A020818\A0208086.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/9/18
Data File Name	A0208086.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	623392	641744	-3
c - 10	1.61	631820	641744	-2
c - 12	2.33	637620	641744	-1
c - 14	3.01	646161	641744	1
c - 16	3.61	653701	641744	2
c - 18	4.23	655951	641744	2
o-Terphenyl	4.51	712481	641744	
c - 20	4.83	659907	641744	3
c - 22	5.34	660028	641744	3
c - 24	5.78	653596	641744	2
c - 26	6.17	647667	641744	1
c - 28	6.54	647614	641744	1
c - 30	6.87	650773	641744	1
c - 32	7.18	628035	641744	-2
c - 34	7.48	619029	641744	-4
c - 36	7.80	610874	641744	-5

* One compound allowed %D </= 50%

Samples
18B0001-01RE1@SPLP

D:\HPCHEM\1\DATA\A020818\A0208022.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/8/18
Data File Name	A0208022.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	499539	518171	-4
c - 10	1.61	506959	518171	-2
c - 12	2.34	510669	518171	-1
c - 14	3.01	517230	518171	0
c - 16	3.61	524554	518171	1
c - 18	4.23	526401	518171	2
o-Terphenyl	4.51	572934	518171	
c - 20	4.84	529386	518171	2
c - 22	5.34	530392	518171	2
c - 24	5.78	525775	518171	1
c - 26	6.18	522661	518171	1
c - 28	6.54	524064	518171	1
c - 30	6.87	529484	518171	2
c - 32	7.18	513985	518171	-1
c - 34	7.48	509911	518171	-2
c - 36	7.80	501555	518171	-3

* One compound allowed %D </= 50%

Samples
18B0146-05
18B0189-03@20X

D:\HPCHEM\1\DATA\A020818.SEC\A0208023.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	2/8/18
Data File Name	A0208023.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.27	607480	630795	-4
c - 10	1.61	615271	630795	-2
c - 12	2.33	618512	630795	-2
c - 14	2.99	624092	630795	-1
c - 16	3.59	643215	630795	2
c - 18	4.19	646908	630795	3
o-Terphenyl	4.47	705264	630795	
c - 20	4.79	653232	630795	4
c - 22	5.30	653518	630795	4
c - 24	5.73	649026	630795	3
c - 26	6.12	642423	630795	2
c - 28	6.48	640586	630795	2
c - 30	6.81	641998	630795	2
c - 32	7.12	618021	630795	-2
c - 34	7.42	609882	630795	-3
c - 36	7.72	597757	630795	-5

* One compound allowed %D </= 50%

Samples
18B0100-04
18B0100-05
18B0100-06
18B0100-08
18B0146-04
18B0146-06
18B0146-07
18B0146-08
18B0146-02
18B0146-03
18B0146-01
18B0100-01
18B0100-02
18B0094-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 107 Seldon St., Berlin, CT

Project Number: 18B0001

Laboratory Sample ID(s):

18B0001-01

Sample Date(s):

01/17/2018

List RCP Methods Used:

CTDEP ETPH, 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: Todd Kopyscinski **Position:** Laboratory Director

Printed Name: Tod E. Kopyscinski **Date:** 02/09/18

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

February 8, 2018

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

Project Location: Berlin, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18B0002

Enclosed are results of analyses for samples received by the laboratory on February 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary 3
Case Narrative 4
Sample Results 5
18B0002-01 5
18B0002-02 7
18B0002-03 9
18B0002-04 11
18B0002-05 13
18B0002-06 15
Sample Preparation Information 17
QC Data 18
SPLP - Semivolatile Organic Compounds by GC/MS 18
B196164 18
SPLP - Polychlorinated Biphenyls By GC/ECD 20
B196274 20
SPLP - Semivolatile Organic Compounds by GC 22
B196161 22
SPLP - Metals Analyses 23
B196115 23
B196219 23
Dual Column RPD Report 25
Flag/Qualifier Summary 31
Certifications 32
Chain of Custody/Sample Receipt 33

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: 2/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0002

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

PROJECT LOCATION: Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-202B (3-4)	18B0002-01	Soil		SM 2540G	
				SW-846 8082A	
B-202C (7-8)	18B0002-02	Soil		SM 2540G	
				SW-846 8082A	
B-201A (0-0.5)	18B0002-03	Soil		SM 2540G	
				SW-846 8082A	
B-197A (0-0.5)	18B0002-04	Soil		SM 2540G	
				SW-846 8270D	
B-193A (0-0.5)	18B0002-05	Soil		CTDEP ETPH	
				SM 2540G	
B-192B (10-12)	18B0002-06	Soil		SM 2540G	
				SW-846 6020A-B	
				SW-846 7470A	

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

CASE NARRATIVE SUMMARY

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

For method 6020, only a select list of metals was requested and reported.

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

B196161-BS1

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

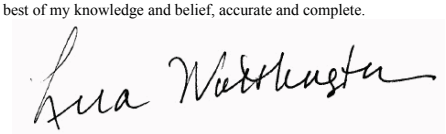
CT ETPH

B196161-MS1

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

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

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



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: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-202B (3-4) | Sampled: 1/18/2018 10:32

Sample ID: 18B0002-01

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	88.8		% Wt	1		SM 2540G	2/2/18	2/2/18 10:53	DMP

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-202B (3-4) | Sampled: 1/18/2018 10:32

Sample ID: 18B0002-01

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	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1260 [2]	1.4	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 12:58	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.3	30-150		2/8/18 12:58
Decachlorobiphenyl [2]	66.0	30-150		2/8/18 12:58
Tetrachloro-m-xylene [1]	87.2	30-150		2/8/18 12:58
Tetrachloro-m-xylene [2]	91.5	30-150		2/8/18 12:58

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-202C (7-8) | Sampled: 1/18/2018 10:34

Sample ID: 18B0002-02

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	81.7		% Wt	1		SM 2540G	2/2/18	2/2/18 10:53	DMP

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-202C (7-8) | Sampled: 1/18/2018 10:34

Sample ID: 18B0002-02

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	2/7/18	2/8/18 13:11	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG
Aroclor-1260 [2]	1.0	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.9	30-150		2/8/18 13:11
Decachlorobiphenyl [2]	71.1	30-150		2/8/18 13:11
Tetrachloro-m-xylene [1]	79.2	30-150		2/8/18 13:11
Tetrachloro-m-xylene [2]	84.5	30-150		2/8/18 13:11

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-201A (0-0.5) | Sampled: 1/18/2018 10:56

Sample ID: 18B0002-03

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	70.3		% Wt	1		SM 2540G	2/2/18	2/2/18 10:53	DMP

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-201A (0-0.5) | Sampled: 1/18/2018 10:56

Sample ID: 18B0002-03

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	2/7/18	2/8/18 13:23	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG
Aroclor-1260 [2]	0.62	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/7/18	2/8/18 13:23	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		2/8/18 13:23
Decachlorobiphenyl [2]	82.5	30-150		2/8/18 13:23
Tetrachloro-m-xylene [1]	84.1	30-150		2/8/18 13:23
Tetrachloro-m-xylene [2]	89.4	30-150		2/8/18 13:23

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-197A (0-0.5) | Sampled: 1/18/2018 13:22

Sample ID: 18B0002-04

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	78.7		% Wt	1		SM 2540G	2/2/18	2/2/18 10:53	DMP

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-197A (0-0.5) | Sampled: 1/18/2018 13:22

Sample ID: 18B0002-04

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Phenanthrene (SIM)	0.10	0.050	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/5/18	2/7/18 23:32	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	70.6	30-130		2/7/18 23:32
2-Fluorobiphenyl	65.8	30-130		2/7/18 23:32
p-Terphenyl-d14	51.9	30-130		2/7/18 23:32

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-193A (0-0.5) | Sampled: 1/18/2018 14:40

Sample ID: 18B0002-05

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	79.2		% Wt	1		SM 2540G	2/2/18	2/2/18 10:53	DMP

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-193A (0-0.5) | Sampled: 1/18/2018 14:40

Sample ID: 18B0002-05

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.075	mg/L	1		CTDEP ETPH	2/5/18	2/6/18 11:47	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	57.1	50-150					2/6/18 11:47

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

Project Location: Berlin, CT | Sample Description: | Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-192B (10-12) | Sampled: 1/18/2018 15:16

Sample ID: 18B0002-06

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	81.2		% Wt	1		SM 2540G	2/2/18	2/2/18 10:53	DMP

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

Project Location: Berlin, CT
Sample Description:
Work Order: 18B0002

Date Received: 2/1/2018

Field Sample #: B-192B (10-12)
Sampled: 1/18/2018 15:16

Sample ID: 18B0002-06

Sample Matrix: Soil

SPLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.6	2.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/6/18	2/6/18 13:40	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH
Zinc	ND	50	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:19	MJH

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

Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0002-05 [B-193A (0-0.5)]	B196161	1000	1.00	02/05/18

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18B0002-01 [B-202B (3-4)]	B195186	02/02/18
18B0002-02 [B-202C (7-8)]	B195186	02/02/18
18B0002-03 [B-201A (0-0.5)]	B195186	02/02/18
18B0002-04 [B-197A (0-0.5)]	B195186	02/02/18
18B0002-05 [B-193A (0-0.5)]	B195186	02/02/18
18B0002-06 [B-192B (10-12)]	B195186	02/02/18

Prep Method: SW-846 3010A-SW-846 6020A-B **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0002-06 [B-192B (10-12)]	B196115	50.0	50.0	02/05/18

Prep Method: SW-846 7470A Prep-SW-846 7470A **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0002-06 [B-192B (10-12)]	B196219	6.00	6.00	02/06/18

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0002-01 [B-202B (3-4)]	B196274	500	5.00	02/07/18
18B0002-02 [B-202C (7-8)]	B196274	500	5.00	02/07/18
18B0002-03 [B-201A (0-0.5)]	B196274	500	5.00	02/07/18

Prep Method: SW-846 3510C-SW-846 8270D **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0002-04 [B-197A (0-0.5)]	B196164	1000	1.00	02/05/18

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196164 - SW-846 3510C										
Blank (B196164-BLK1)				Prepared: 02/05/18 Analyzed: 02/07/18						
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	*68.4*		µg/L	100		68.4	30-130			
Surrogate: 2-Fluorobiphenyl	*69.2*		µg/L	100		69.2	30-130			
Surrogate: p-Terphenyl-d14	*59.7*		µg/L	100		59.7	30-130			
LCS (B196164-BS1)				Prepared: 02/05/18 Analyzed: 02/07/18						
Acenaphthene (SIM)	33.4	7.5	µg/L	50.0		66.9	40-140			
Acenaphthylene (SIM)	32.4	7.5	µg/L	50.0		64.8	40-140			
Anthracene (SIM)	35.1	5.0	µg/L	50.0		70.2	40-140			
Benzo(a)anthracene (SIM)	33.4	1.2	µg/L	50.0		66.7	40-140			
Benzo(a)pyrene (SIM)	36.0	2.5	µg/L	50.0		72.1	40-140			
Benzo(b)fluoranthene (SIM)	34.8	1.2	µg/L	50.0		69.6	40-140			
Benzo(g,h,i)perylene (SIM)	35.0	12	µg/L	50.0		70.0	40-140			
Benzo(k)fluoranthene (SIM)	35.6	5.0	µg/L	50.0		71.3	40-140			
Chrysene (SIM)	30.9	5.0	µg/L	50.0		61.8	40-140			
Dibenz(a,h)anthracene (SIM)	39.3	5.0	µg/L	50.0		78.6	40-140			
Fluoranthene (SIM)	34.3	12	µg/L	50.0		68.6	40-140			
Fluorene (SIM)	35.4	25	µg/L	50.0		70.9	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	38.0	5.0	µg/L	50.0		76.0	40-140			
2-Methylnaphthalene (SIM)	33.8	25	µg/L	50.0		67.5	40-140			
Naphthalene (SIM)	33.2	25	µg/L	50.0		66.4	40-140			
Phenanthrene (SIM)	32.7	1.2	µg/L	50.0		65.4	40-140			
Pyrene (SIM)	31.6	25	µg/L	50.0		63.2	40-140			
Surrogate: Nitrobenzene-d5	*67.3*		µg/L	100		67.3	30-130			
Surrogate: 2-Fluorobiphenyl	*75.6*		µg/L	100		75.6	30-130			
Surrogate: p-Terphenyl-d14	*59.5*		µg/L	100		59.5	30-130			

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196164 - SW-846 3510C										
LCS Dup (B196164-BSD1)				Prepared: 02/05/18 Analyzed: 02/07/18						
Acenaphthene (SIM)	35.6	7.5	µg/L	50.0		71.3	40-140	6.37	20	
Acenaphthylene (SIM)	34.6	7.5	µg/L	50.0		69.2	40-140	6.56	20	
Anthracene (SIM)	37.3	5.0	µg/L	50.0		74.6	40-140	6.22	20	
Benzo(a)anthracene (SIM)	36.0	1.2	µg/L	50.0		71.9	40-140	7.50	20	
Benzo(a)pyrene (SIM)	38.8	2.5	µg/L	50.0		77.5	40-140	7.22	20	
Benzo(b)fluoranthene (SIM)	37.7	1.2	µg/L	50.0		75.4	40-140	7.99	20	
Benzo(g,h,i)perylene (SIM)	37.3	12	µg/L	50.0		74.6	40-140	6.50	20	
Benzo(k)fluoranthene (SIM)	38.5	5.0	µg/L	50.0		77.0	40-140	7.69	20	
Chrysene (SIM)	33.4	5.0	µg/L	50.0		66.7	40-140	7.71	20	
Dibenz(a,h)anthracene (SIM)	42.1	5.0	µg/L	50.0		84.2	40-140	6.82	20	
Fluoranthene (SIM)	36.5	12	µg/L	50.0		73.0	40-140	6.22	20	
Fluorene (SIM)	37.6	25	µg/L	50.0		75.2	40-140	5.95	20	
Indeno(1,2,3-cd)pyrene (SIM)	40.4	5.0	µg/L	50.0		80.8	40-140	5.99	20	‡
2-Methylnaphthalene (SIM)	36.0	25	µg/L	50.0		72.0	40-140	6.38	20	
Naphthalene (SIM)	34.7	25	µg/L	50.0		69.4	40-140	4.49	20	
Phenanthrene (SIM)	35.1	1.2	µg/L	50.0		70.2	40-140	7.15	20	
Pyrene (SIM)	33.9	25	µg/L	50.0		67.8	40-140	7.18	20	
Surrogate: Nitrobenzene-d5	*71.9*		µg/L	100		71.9	30-130			
Surrogate: 2-Fluorobiphenyl	*76.1*		µg/L	100		76.1	30-130			
Surrogate: p-Terphenyl-d14	*60.2*		µg/L	100		60.2	30-130			

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

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 B196274 - SW-846 3510C										
Blank (B196274-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18						
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	*1.71*		µg/L	2.00		85.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.82*		µg/L	2.00		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.70*		µg/L	2.00		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.82*		µg/L	2.00		90.8	30-150			
LCS (B196274-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Aroclor-1016	0.52	0.20	µg/L	0.500		105	40-140			
Aroclor-1016 [2C]	0.61	0.20	µg/L	0.500		123	40-140			
Aroclor-1260	0.46	0.20	µg/L	0.500		92.8	40-140			
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		101	40-140			
Surrogate: Decachlorobiphenyl	*1.55*		µg/L	2.00		77.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.65*		µg/L	2.00		82.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.73*		µg/L	2.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.84*		µg/L	2.00		91.9	30-150			
LCS Dup (B196274-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Aroclor-1016	0.49	0.20	µg/L	0.500		97.5	40-140	7.38	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	17.7	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		100	40-140	7.74	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		99.4	40-140	1.12	20	
Surrogate: Decachlorobiphenyl	*1.61*		µg/L	2.00		80.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.71*		µg/L	2.00		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.78*		µg/L	2.00		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.89*		µg/L	2.00		94.7	30-150			

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

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 B196274 - SW-846 3510C										
Matrix Spike (B196274-MS1)	**Source: 18B0002-01**			Prepared: 02/07/18 Analyzed: 02/08/18						
Aroclor-1016	0.50	0.20	µg/L	0.500	ND	99.3	40-140			
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500	ND	98.0	40-140			
Aroclor-1260	1.5	0.20	µg/L	0.500	1.2	57.4	40-140			
Aroclor-1260 [2C]	1.6	0.20	µg/L	0.500	1.4	49.3	40-140			
Surrogate: Decachlorobiphenyl	*1.11*		µg/L	2.00		55.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.18*		µg/L	2.00		59.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.68*		µg/L	2.00		84.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.77*		µg/L	2.00		88.5	30-150			

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B196161 - SW-846 3510C											
Blank (B196161-BLK1)				Prepared: 02/05/18 Analyzed: 02/06/18							
CT ETPH	ND	0.075	mg/L								
Surrogate: o-Terphenyl	*0.0682*		mg/L	0.100		68.2		50-150			
LCS (B196161-BS1)				Prepared: 02/05/18 Analyzed: 02/06/18							
CT ETPH	0.575	0.075	mg/L	1.00		**57.5**	*	60-120			L-07
Surrogate: o-Terphenyl	*0.0576*		mg/L	0.100		57.6		50-150			
LCS Dup (B196161-BSD1)				Prepared: 02/05/18 Analyzed: 02/06/18							
CT ETPH	0.632	0.075	mg/L	1.00		63.2		60-120	9.39	30	
Surrogate: o-Terphenyl	*0.0628*		mg/L	0.100		62.8		50-150			
Matrix Spike (B196161-MS1)	**Source: 18B0002-05**			Prepared: 02/05/18 Analyzed: 02/06/18							
CT ETPH	0.541	0.075	mg/L	1.00	0.155	**38.6**	*	50-150			MS-07
Surrogate: o-Terphenyl	*0.0608*		mg/L	0.100		60.8		50-150			

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

QUALITY CONTROL

SPLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196115 - SW-846 3010A										
Blank (B196115-BLK1)				Prepared & Analyzed: 02/05/18						
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							
Silver	ND	2.5	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							
LCS (B196115-BS1)				Prepared & Analyzed: 02/05/18						
Arsenic	493	4.0	µg/L	500		98.5	80-120			
Barium	494	100	µg/L	500		98.8	80-120			
Beryllium	485	4.0	µg/L	500		97.1	80-120			
Cadmium	482	5.0	µg/L	500		96.5	80-120			
Chromium	499	10	µg/L	500		99.7	80-120			
Copper	983	50	µg/L	1000		98.3	80-120			
Lead	496	10	µg/L	500		99.3	80-120			
Nickel	500	50	µg/L	500		100	80-120			
Silver	491	5.0	µg/L	500		98.2	80-120			
Vanadium	506	50	µg/L	500		101	80-120			
Zinc	972	100	µg/L	1000		97.2	80-120			
LCS Dup (B196115-BSD1)				Prepared & Analyzed: 02/05/18						
Arsenic	484	4.0	µg/L	500		96.8	80-120	1.77	20	
Barium	488	100	µg/L	500		97.5	80-120	1.29	20	
Beryllium	477	4.0	µg/L	500		95.5	80-120	1.68	20	
Cadmium	483	5.0	µg/L	500		96.6	80-120	0.129	20	
Chromium	491	10	µg/L	500		98.2	80-120	1.49	20	
Copper	970	50	µg/L	1000		97.0	80-120	1.33	20	
Lead	489	10	µg/L	500		97.8	80-120	1.46	20	
Nickel	491	50	µg/L	500		98.2	80-120	1.85	20	
Silver	490	5.0	µg/L	500		97.9	80-120	0.319	20	
Vanadium	496	50	µg/L	500		99.2	80-120	1.96	20	
Zinc	960	100	µg/L	1000		96.0	80-120	1.16	20	
Batch B196219 - SW-846 7470A Prep										
Blank (B196219-BLK1)				Prepared & Analyzed: 02/06/18						
Mercury	ND	0.00010	mg/L							

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

QUALITY CONTROL

SPLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196219 - SW-846 7470A Prep										
LCS (B196219-BS1)				Prepared & Analyzed: 02/06/18						
Mercury	0.00198	0.00010	mg/L	0.00200		99.1	80-120			
LCS Dup (B196219-BSD1)				Prepared & Analyzed: 02/06/18						
Mercury	0.00201	0.00010	mg/L	0.00200		100	80-120	1.42	20	

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

B-202B (3-4)

Lab Sample ID: 18B0002-01 Date(s) Analyzed: 02/08/2018 02/08/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.4	15.4

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

B-202C (7-8)

Lab Sample ID: 18B0002-02 Date(s) Analyzed: 02/08/2018 02/08/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.98	
	2	0.000	0.000	0.000	1.0	2.0

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

B-201A (0-0.5)

Lab Sample ID: 18B0002-03 Date(s) Analyzed: 02/08/2018 02/08/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.62	13.8

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

LCS

Lab Sample ID: B196274-BS1 Date(s) Analyzed: 02/08/2018 02/08/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.61	14.0
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.50	8.3

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

LCS Dup

Lab Sample ID: B196274-BSD1 Date(s) Analyzed: 02/08/2018 02/08/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.51	4.0
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.50	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

Matrix Spike

Lab Sample ID: B196274-MS1 Date(s) Analyzed: 02/08/2018 02/08/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.49	2.0
Aroclor-1260	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.6	6.5

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

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 Water	
CT ETPH	CT

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2018
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

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

1EA0582 (MP)

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

SR002

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	Weston & Sampson
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	1-800-SAMPSON
Project Name:	Berlin Settling Basin
Project Location:	107 Selden Street, Berlin CT
Project Number:	
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler
Sampled By:	Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Stnd 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: Pagliuca@wseinc.com
CLP Like Data Pkg Required ☐
Email To: DeFlerm@wseinc.com
Fax To #:

# of Containers	1		1	1	3						
[2] Preservation Code	I		I	I	I,O[H]						
[3] Container Code	A		A	A	V						

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	PCBs	SVOCs	ETPH	RSR 15 Metals	VOCs	Sample pH	
01	B-204A (0-0.5)	1/14/18	0855		✓	S	U	X	X	X	X			
02	B-204B (3-4)		0902					X						
03	B-204C (7-8)		0854					X						
04	B-204D (10-12)		0856					X	X	X	X	X		
05	B-204E (13-14)		0858					X[MP]			X			
06	B-203A (0-0.5)		0950					X						
07	B-203B (3-4)		0952					X						
08	B-203C (7-8)		0954					X						
09	B-202A (0-0.5)		1030					X						
MX 10	B-202B (3-4)	↓	1032		↓	↓	↓	X					X	

Comments:
Additional Soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed.

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

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
DI H2O

[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)

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Relinquished by: (signature)	Date/Time:
	1/14/18
Received by: (signature)	Date/Time:
	1/16/18 1630
Relinquished by: (signature)	Date/Time:
	1/18/18 17:20
Received by: (signature)	Date/Time:
49.5.1	1/18/18 1720
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GW-1 GA DW
RES DEC I/C DEC
Other:

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

1/18/18 1720
con-test ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP, LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

1EA0582 NC

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

1813002

39 Spruce Street
East Longmeadow, MA 01028

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

Page 2 of 3

Company Name: Weston & Sampson
Address: 273 Dividend Rd Rocky Hill CT 06067
Phone: 1-800-SAMPSON
Project Name: Berlin Station Basin
Project Location: 107 Seidan St Berlin CT
Project Number:
Project Manager: Malcolm Beever
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beever
Sampled By: Gabriella Palmieri & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: paylmieri@wsinc.com
CLP Like Data Pkg Required: ☐
Email To: bbeever@wsinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCBs	VOCs	CT ETPH	RSR 15 Metals	VOCs	SVOCs	SVOCs
11	B-202C (7-8)	1/9/18	1034		X	S	U	X					X	
12	B-201A (0-0.5)		1056					X					X	
13	B-201B (5-6)		1053					X						
14	B-201C (7-8)		1100					X						
15	B-196A (0-0.5)		1150						X	X	X			
16	B-196B (9-11)		1152						X	X	X	X		
17	B-196C (13-14)		1154								X			
18	B-197A (0-0.5)		1322						X	X	X			X
19	B-197B (10-12)		1324						X	X	X	X		
20	B-197C (13-14)	↓	1326		↓	↓	↓				X			

ANALYSIS REQUESTED

1		1	1	3										# of Containers
E		I	H	40M										[2] Preservation Code
A		A	A	V										[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments:
Additional soil samples submitted for possible reactivation to analyze for SPLP after results have been reviewed.

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

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

[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) DI H2O

[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:
	1/17/18
Received by: (signature)	Date/Time:
	1/18/18 16:30
Relinquished by: (signature)	Date/Time:
	1/18/18 17:20
Received by: (signature)	Date/Time:
4.9, 5.1 C	1/18/18 1720
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GA RMC
RED DEC IIC DEC
Other

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

1/18/18 1720
con-test ANALYTICAL LABORATORY
www.contestlabs.com
MELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY
http://www.contestlabs.com
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
Doc # 381 Rev 1_03242017
CHAIN OF CUSTODY RECORD
39 Spruce Street
East Longmeadow, MA 01028
Page 3 of 3
Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:
Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Date Delivered
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Date/Pkg Required: ☐
Email To:
Fax To #:
ANALYSIS REQUESTED
Dissolved Metals Samples
O Field Filtered
O Lab to Filter
Orthophosphate Samples
O Field Filtered
O Lab to Filter
# of Containers
² Preservation Code
³ Container Code
¹ Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
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)
PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
21	B-195A (0-2')	11-9-18	1350		X	SO	U
22	B-195B (10-12')		1356				
23	B-195C (13-14')		1400				
24	B-193A (0-2')		1440				
25	B-193B (10-12')		1442				
26	B-193C (13-14')		1444				
27	B-192A (0-2')		1514				
28	B-192B (10-12')		1516				
29	B-192C (13-14')		1518				

Comments:
Add Phos to WO Once submitted to provide reactivation to Mary22 for EPLP data results have been received.

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

Special Requirements
Reporting and QC Requirements
MA MA MCP Required
MCP Certification Form Required
CT RCP Required
RCP Certification Form Required
(GW) GW PFAS
PFAS DL RL DEC
MA State DW Required
PWSID #

con-test ANALYTICAL LABORATORY www.contestlabs.com
11/9/18 1720

Relinquished by: (signature) Date/Time: 11/12/18
Received by: (signature) Date/Time: 11/13/18 16:30
Relinquished by: (signature) Date/Time: 11/13/18 17:20
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

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

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client: Weston & Sampson

Received By: RLF Date: 1/18/18 Time: 1720

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

Were samples within Temperature? 2-6°C: T By Gun #: 577 Actual Temp - 4.9, 5.1 °C By Blank #: _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T Project: T ID's: T Collection Dates/Times: T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

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

Were trip blanks received? T On COC? F

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	41
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-	12	Other Plastic		Other Glass		Encore	6
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 1/18/18 1720	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Berlin, CT

Project Number: 18B0002

Laboratory Sample ID(s):

18B0002-01 thru 18B0002-06

Sample Date(s):

01/18/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020A-B, SW-846 7470A, 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:** 02/08/18

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

February 8, 2018

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

Project Location: 107 Selden St., Berlin, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18B0004

Enclosed are results of analyses for samples received by the laboratory on February 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary 3
Case Narrative 4
Sample Results 5
18B0004-01 5
18B0004-02 7
Sample Preparation Information 9
QC Data 10
SPLP - Metals Analyses 10
B196115 10
B196219 11
Flag/Qualifier Summary 12
Certifications 13
Chain of Custody/Sample Receipt 14

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: 2/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0004

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

PROJECT LOCATION: 107 Selden St., Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-191A (0-0.5)	18B0004-01	Soil		SM 2540G	
				SW-846 6020A-B	
				SW-846 7470A	
B-189A (0-0.5)	18B0004-02	Soil		SM 2540G	
				SW-846 6020A-B	
				SW-846 7470A	

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

CASE NARRATIVE SUMMARY

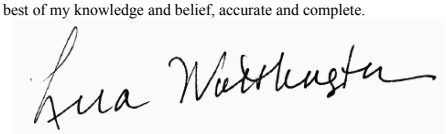
All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6020, only a select list of metals was requested and reported.

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

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

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



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: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18B0004

Date Received: 2/1/2018

Field Sample #: B-191A (0-0.5)
Sampled: 1/19/2018 08:50

Sample ID: 18B0004-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	2/2/18	2/2/18 10:54	DMP

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18B0004
Date Received: 2/1/2018
Field Sample #: B-191A (0-0.5)
Sampled: 1/19/2018 08:50
Sample ID: 18B0004-01
Sample Matrix: Soil

SPLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Barium	140	50	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/6/18	2/6/18 13:35	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:12	WSD

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18B0004

Date Received: 2/1/2018

Field Sample #: B-189A (0-0.5)
Sampled: 1/19/2018 15:30

Sample ID: 18B0004-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.2		% Wt	1		SM 2540G	2/2/18	2/2/18 10:54	DMP

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

Project Location: 107 Selden St., Berlin, CT
Sample Description:
Work Order: 18B0004

Date Received: 2/1/2018

Field Sample #: B-189A (0-0.5)
Sampled: 1/19/2018 15:30

Sample ID: 18B0004-02

Sample Matrix: Soil

SPLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Barium	1500	50	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Beryllium	7.3	2.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Cadmium	4.0	2.5	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Copper	150	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Lead	6.6	5.0	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/6/18	2/6/18 13:42	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH
Zinc	170	50	µg/L	5		SW-846 6020A-B	2/5/18	2/5/18 16:16	MJH

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18B0004-01 [B-191A (0-0.5)]	B195355	02/02/18
18B0004-02 [B-189A (0-0.5)]	B195355	02/02/18

Prep Method: SW-846 3010A-SW-846 6020A-B **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0004-01 [B-191A (0-0.5)]	B196115	50.0	50.0	02/05/18
18B0004-02 [B-189A (0-0.5)]	B196115	50.0	50.0	02/05/18

Prep Method: SW-846 7470A Prep-SW-846 7470A **Leachates were extracted on 2/1/2018 per SW-846 1312 in Batch B195993**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0004-01 [B-191A (0-0.5)]	B196219	6.00	6.00	02/06/18
18B0004-02 [B-189A (0-0.5)]	B196219	6.00	6.00	02/06/18

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

QUALITY CONTROL

SPLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196115 - SW-846 3010A										
Blank (B196115-BLK1)				Prepared & Analyzed: 02/05/18						
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							
Silver	ND	2.5	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							
LCS (B196115-BS1)				Prepared & Analyzed: 02/05/18						
Arsenic	493	4.0	µg/L	500		98.5	80-120			
Barium	494	100	µg/L	500		98.8	80-120			
Beryllium	485	4.0	µg/L	500		97.1	80-120			
Cadmium	482	5.0	µg/L	500		96.5	80-120			
Chromium	499	10	µg/L	500		99.7	80-120			
Copper	983	50	µg/L	1000		98.3	80-120			
Lead	496	10	µg/L	500		99.3	80-120			
Nickel	500	50	µg/L	500		100	80-120			
Silver	491	5.0	µg/L	500		98.2	80-120			
Vanadium	506	50	µg/L	500		101	80-120			
Zinc	972	100	µg/L	1000		97.2	80-120			
LCS Dup (B196115-BSD1)				Prepared & Analyzed: 02/05/18						
Arsenic	484	4.0	µg/L	500		96.8	80-120	1.77	20	
Barium	488	100	µg/L	500		97.5	80-120	1.29	20	
Beryllium	477	4.0	µg/L	500		95.5	80-120	1.68	20	
Cadmium	483	5.0	µg/L	500		96.6	80-120	0.129	20	
Chromium	491	10	µg/L	500		98.2	80-120	1.49	20	
Copper	970	50	µg/L	1000		97.0	80-120	1.33	20	
Lead	489	10	µg/L	500		97.8	80-120	1.46	20	
Nickel	491	50	µg/L	500		98.2	80-120	1.85	20	
Silver	490	5.0	µg/L	500		97.9	80-120	0.319	20	
Vanadium	496	50	µg/L	500		99.2	80-120	1.96	20	
Zinc	960	100	µg/L	1000		96.0	80-120	1.16	20	
Matrix Spike (B196115-MS1)	**Source: 18B0004-01**			Prepared & Analyzed: 02/05/18						
Arsenic	471	4.0	µg/L	500	ND	94.2	75-125			
Barium	610	100	µg/L	500	140	93.9	75-125			
Beryllium	458	4.0	µg/L	500	ND	91.6	75-125			
Cadmium	462	5.0	µg/L	500	ND	92.4	75-125			
Chromium	477	10	µg/L	500	ND	95.4	75-125			
Copper	931	50	µg/L	1000	ND	93.1	75-125			
Lead	478	10	µg/L	500	ND	95.6	75-125			
Nickel	474	50	µg/L	500	ND	94.8	75-125			
Silver	471	5.0	µg/L	500	ND	94.2	75-125			
Vanadium	487	50	µg/L	500	ND	97.3	75-125			
Zinc	922	100	µg/L	1000	ND	92.2	75-125			

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

QUALITY CONTROL

SPLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196219 - SW-846 7470A Prep										
Blank (B196219-BLK1)				Prepared & Analyzed: 02/06/18						
Mercury	ND	0.00010	mg/L							
LCS (B196219-BS1)				Prepared & Analyzed: 02/06/18						
Mercury	0.00198	0.00010	mg/L	0.00200		99.1	80-120			
LCS Dup (B196219-BSD1)				Prepared & Analyzed: 02/06/18						
Mercury	0.00201	0.00010	mg/L	0.00200		100	80-120	1.42	20	
Matrix Spike (B196219-MS1)	**Source: 18B0004-01**			Prepared & Analyzed: 02/06/18						
Mercury	0.00205	0.00010	mg/L	0.00200	ND	103	75-125			

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

FLAG/QUALIFIER SUMMARY

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

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2018
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

18A00055 MP

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

18B0004

39 Spruce Street
East Longmeadow, MA 01028

Page ____ of ____

Company Name:	Weston & Sampson
Address:	273 Dividend Road, Rocky Hill CT 06067
Phone:	1-800-SAMPSON
Project Name:	Berlin Beltline Basin
Project Location:	107 Selden St Berlin CT
Project Number:	
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler
Sampled By:	Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Stnd 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: Pagliuca & Dwse inc.com
CLP Like Data Pkg Required: ☐
Email To: Beelerm@dwseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc. Code	PCBs	SVOCs	CT ETPH	RSR 15 Metals	VOCs	Sulfides	# of Containers	Preservation Code	Container Code
01	B-191A (0-0.5)	01/19/18	0856		X	S	U		X	X	X			1	I	A
02	B-191B (10-12)		0855						X	X	X	X		1	I	A
03	B-191C (13-14)		0900								X			1	I	A
04	B-200A (0-0.5)		1102					X	X	X	X			1	I	A
05	B-200B (3-4)		1104					X						1	I	A
06	B-200C (5-7)		1106					X	X	X	X	X		1	I	A
07	B-200D (7-8)		1108					X						1	I	A
08	B-200E (13-14)		1110								X			1	I	A
09	B-199A (0-0.5)		1140					X						1	I	A
10	B-199B (3-4)	↓	1142		↓	↓	↓	X						1	I	A

ANALYSIS REQUESTED

Comments: SPLP Metals = As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, V, Zn - 1/26/18
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been received.
Please do MS/MSD analysis on B-191A (0-0.5) for all analysis (SVOCs, Metals, ETPH) marked

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
~~DI H2O~~ MP

[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)
DI H2O

[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:
Received by: (signature)		Date/Time: 1/22/18 1050
Relinquished by: (signature)		Date/Time: 1/22/18 1235
Received by: (signature)		Date/Time: 1.22.18 12:35
Relinquished by: (signature)	4.1, 3.8, 4.2	Date/Time: 3.9
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
Other: GA PMC
RES DEC I/C DEC
Other
PWSID #

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

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY www.contestlabs.com

Page 14 of 20

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

18A0655

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

18B0104

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Weston & Sampson
Address: 273 Dividend Road, Rocky Hill CT 06067
Phone: 1-800-SAMPSON
Project Name: Berlin Settling Basin
Project Location: 107 Seldon St Berlin CT
Project Number:
Project Manager: Malcolm Beller
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beller
Sampled By: Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Stnd 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: Pagliucag@wsinc.com
CLP Like Data Pkg Required: ☐
Email To: bellerm@wsinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs	SVOCs	CT ETPH	RSR 1s Metals	VOCs	PAHs	# of Containers
								1		1	1	3		# of Containers
								I		I	I	I,H		[2] Preservation Code
								A		A	A	V		[3] Container Code
11	B-188D (10-11)	1/19/18	1455		X	S	U				X			
12	B-188E (13-15)		1500					X	X	X	X	X		
13	B-188F (12-13)		1502							X			X	
14	B-189A (0-0.5)		1530					X	X	X	X			
15	B-189B (3-4)		1532					X						
16	B-189C (7-8)		1534					X						
17	B-189D (10-12)		1536					X	X	X	X	X		
18	B-189E (13-14)		1538								X			
19	B-190A (0-0.5)		1620					X	X	X	X			
20	B-190B (3-4)	↓	1624		↓	↓	↓	X						

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
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) DI H2O

[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:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed
Please do MS/MSD on B-189A (0-0.5) for metals & on B-190B (3-4) for PCBs.

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) Joe Eco 1/22/18	Date/Time: 10:50
Relinquished by: (signature) Joe Eco 1/22/18	Date/Time: 12:35
Received by: (signature) Paul A 1.22.18	Date/Time: 12:35
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA:
RCP:
GA RMC
RES DEC 1 1 PEC
Other:

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

con-test ANALYTICAL LABORATORY
www.contestlabs.com
EDD/EDT and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

18A0655

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name:	Weston & Sampson
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	1-800-SAMPSON
Project Name:	Berlin Settling Basin
Project Location:	107 Selden St Berlin, CT
Project Number:	
Project Manager:	Malcolm Peeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Peeler
Sampled By:	Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pagliucag@wseinc.com
CLP Like Data Pkg Required: ☐
Email To: Peelerm@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs	SVOCs	CT ETPH	RSR IS Metals	VOCs										
21	B-199C (7-8)	1/19/18	1144		X	S	U	X														
22	B-198A (0-0.5)	↓	1200		↓	↓	↓	X														
23	B-198B (3-4)		1202					X														
24	B-198C (7-8)		1204					X														
25	B-194A (0-0.50)		1240						X	X	X											
26	B-194B (10-12)		1242						X	X	X	X										
27	B-194C (13-14)		1244								X											
28	B-188A (0-0.5)		1452					X	X	X	X											
29	B-188B (3-4)		1454					X														
30	B-188C (7-8)	↓	1456		↓	↓	↓	X														

ANALYSIS REQUESTED

# of Containers	1		1	1	3																	
[2] Preservation Code	I		I	I	I*																	
[3] Container Code	A		A	A	V																	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
DI H2O for

[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)
DI H2O

[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:
Additional soil has been submitted for possible reactivation to analyze for SPLP after results have been reviewed.
Please do MS/MSD for B-188A for (PCBs, ETPH, SVOCs, Metals).
(10-0.5)

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: 10:50
Relinquished by: (signature)		Date/Time: 12:35
Received by: (signature)		Date/Time: 12:35
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
GW: GA PMC
RES DEC ITC DEC
Other

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

con-test ANALYTICAL LABORATORY www.contestlabs.com

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

18A0655

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

Page ____ of ____

Company Name: Western Mass Electric Co.
Address: 232 Onota Road Berkshire Hills Office
Phone: 1-800-SAMPSON
Project Name: Berlin Salting Barn
Project Location: 107 Selden St. Berlin CT
Project Number:
Project Manager: Malcolm Beuer
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beuer
Sampled By: Gabriella Palumbo, N. Davis, Parthiv Desai

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery:
Format: PDF ☒ EXCEL ☒
Other: Gabriella@contestlabs.com
CLP Like Data Pkg Required: ☐
Email To: Malcolm.Beuer@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Stock Code
31	B-190 C (7-8)	11/19/18	1624		X	S	U
32	B-190D (10-12)	11/19/18	1626		X	S	U
33	B-190E (13-14)	11/19/18	1628		X	S	U
34	DUP-3	"	"		"	"	"
35	DUP-4	"	"		"	"	"
36	DUP-5	"	"		"	"	"
37	DUP-6	"	"		"	"	"
38	DUP-7	"	"		"	"	"

# of Containers	I	I	I	I			
[2] Preservation Code	I	F	F	O/M			
[3] Container Code	A	A	A	V			
ANALYSIS REQUESTED	8260	ETPH	RSR 5 Metals	SVOCs			

Dissolved Metals Samples:
O Field Filtered
O Lab to Filter

Orthophosphate Samples:
O Field Filtered
O Lab to Filter

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

[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) DI H2O

[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:
Additional Soil has been submitted for possible reduction to analyte for SPLP after results have been reviewed.
Please do MS/MSD on B-190D (10-12) for VOCs.

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: 1822
Relinquished by: (signature) — Date/Time: 1822
Received by: (signature) — Date/Time:
Relinquished by: (signature) — Date/Time: 12.20.18 13:35
Received by: (signature) — Date/Time:

Detection Limit Requirements:
RI
CT
Other

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

Project Entity:
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other:
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

18A06855

http://www.contestlabs.com Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name: Weston & Sampson
Address: 273 Dividend Road. Rocky Hill CT 06067
Phone: 1-800 SAMPSON
Project Name: Berlin Salt Bin
Project Location: 107 Selden St Berlin CT
Project Number:
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler
Sampled By: Gabriella Pagliuca & Chris Berthiaume

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Std 5-day

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: pagliuca g@weinc.com
CLP Like Data Pkg Required: ☐
Email To: beelerm@weinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCBs	SVOCs	Lt Ergpht	RSR 15 Metals	VOCs								
								1	1	1	1	3								
								I	E	I	I,N	I,H								
								A	A	A	P	V								
39	EB-011918	1/19/18	1750		X	O	U	X	X	X	X	X								
40	EB-011818	1/18/18	1700		X	O	U				X									
41	TB-011918	1/19/18	—									X								
42	Decon Water	1/19/18	1630		X	W	U	X												

ANALYSIS REQUESTED

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
purge/unpurged H2O
W = water

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

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

Comments:

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

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Received by: 1/22/18 10:50
Relinquished by: 1/22/18 12:35
Received by: 1.22.18 12:35

Detection Limit Requirements
MA
Other
GA DMC RES DEC ITC DEC

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

con-test ANALYTICAL LABORATORY www.contestlabs.com

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By PB Date 1.22.18 Time 12:35

How were the samples received? In Cooler T - 4 No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 557 Actual Temp - 4.1, 3.8, 4.2 + 3.9
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? F MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? Acid T Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	7	1 Liter Plastic		16 oz Amb.	6
HCL-	5	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-	9	250 mL Amb.		250 mL Plastic	2	4oz Amb/Clear	
Bisulfate-	18	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: 107 Selden St., Berlin, CT

Project Number: 18B0004

Laboratory Sample ID(s):

18B0004-01 thru 18B0004-02

Sample Date(s):

01/19/2018

List RCP Methods Used:

SW-846 6020A-B, SW-846 7470A

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:** 02/08/18

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

February 9, 2018

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

Project Location: 107 Selden St., Berlin, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18B0100

Enclosed are results of analyses for samples received by the laboratory on February 2, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary 4
Case Narrative 5
Sample Results 7
18B0100-01 7
18B0100-02 14
18B0100-03 21
18B0100-04 25
18B0100-05 32
18B0100-06 39
18B0100-07 46
18B0100-08 48
Sample Preparation Information 55
QC Data 57
Volatile Organic Compounds by GC/MS 57
B196213 57
Semivolatile Organic Compounds by GC/MS 60
B196295 60
B196453 63
Polychlorinated Biphenyls By GC/ECD 65
B196382 65
Petroleum Hydrocarbons Analyses 66
B196296 66
Metals Analyses (Total) 67
B196348 67
B196356 67

Table of Contents (continued)

Dual Column RPD Report 69

Flag/Qualifier Summary 71

Certifications 72

Chain of Custody/Sample Receipt 76

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: 2/9/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B0100

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

PROJECT LOCATION: 107 Selden St., Berlin, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1	18B0100-01	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
MW-3	18B0100-02	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
MW-4	18B0100-03	Ground Water		SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
MW-5	18B0100-04	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
MW-6	18B0100-05	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
DUP-1	18B0100-06	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
TB-020118	18B0100-07	Trip Blank Water		SW-846 8260C	
EB-1	18B0100-08	Equipment Blank Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

S-13

Surrogate recovery is outside of control limits on both columns.
Data validation is not affected since all results are "not detected" and bias is on the high side.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
18B0100-03[MW-4]

Decachlorobiphenyl [2C]
18B0100-03[MW-4]

Tetrachloro-m-xylene
18B0100-03[MW-4]

Tetrachloro-m-xylene [2C]
18B0100-03[MW-4]

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:

1,2,4-Trichlorobenzene
B196213-BS1, S019962-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 1
B196213-BS1, S019962-CCV1

SW-846 8270D

Qualifications:

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18B0100-01[MW-1], 18B0100-02[MW-3], 18B0100-04[MW-5], 18B0100-05[MW-6], 18B0100-06[DUP-1], 18B0100-08[EB-1], B196295-BLK1, B196295-BS1, B196295-BSD1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline
18B0100-01[MW-1], 18B0100-02[MW-3], 18B0100-04[MW-5], 18B0100-05[MW-6], 18B0100-06[DUP-1], 18B0100-08[EB-1], B196295-BLK1, B196295-BS1, B196295-BSD1

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

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

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

SW-846 8260C

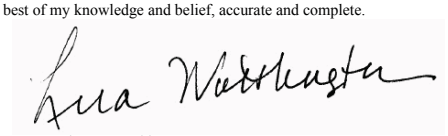
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-1 | Sampled: 2/1/2018 10:30

Sample ID: 18B0100-01

Sample Matrix: Ground 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	2/6/18	2/7/18 12:05	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-1 | Sampled: 2/1/2018 10:30

Sample ID: 18B0100-01

Sample Matrix: Ground 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	2/6/18	2/7/18 12:05	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.1	70-130		2/7/18 12:05
Toluene-d8	93.7	70-130		2/7/18 12:05
4-Bromofluorobenzene	93.3	70-130		2/7/18 12:05

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-1 | Sampled: 2/1/2018 10:30

Sample ID: 18B0100-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Aniline	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
4-Chloroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	2/7/18	2/8/18 17:06	CDT
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
3,3-Dichlorobenzidine	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2,4-Dinitrophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-1 | Sampled: 2/1/2018 10:30

Sample ID: 18B0100-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
3-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
4-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
N-Nitrosodiphenylamine	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Phenanthrene	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Phenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:08	CJM
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:06	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.5	15-110		2/8/18 17:06
Phenol-d6	30.7	15-110		2/8/18 17:06
Nitrobenzene-d5	65.3	30-130		2/8/18 19:08
Nitrobenzene-d5	61.1	30-130		2/8/18 17:06
2-Fluorobiphenyl	65.8	30-130		2/8/18 19:08
2-Fluorobiphenyl	67.8	30-130		2/8/18 17:06
2,4,6-Tribromophenol	70.6	15-110		2/8/18 17:06
p-Terphenyl-d14	70.9	30-130		2/8/18 17:06
p-Terphenyl-d14	59.0	30-130		2/8/18 19:08

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-1 | Sampled: 2/1/2018 10:30

Sample ID: 18B0100-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:44	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		2/9/18 9:44
Decachlorobiphenyl [2]	91.6	30-150		2/9/18 9:44
Tetrachloro-m-xylene [1]	92.6	30-150		2/9/18 9:44
Tetrachloro-m-xylene [2]	89.4	30-150		2/9/18 9:44

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-1 | Sampled: 2/1/2018 10:30

Sample ID: 18B0100-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.083	mg/L	1		CTDEP ETPH	2/7/18	2/8/18 19:07	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	78.9	50-150				2/8/18 19:07	

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

Project Location: 107 Selden St., Berlin, CT Sample Description: Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-1 Sampled: 2/1/2018 10:30

Sample ID: 18B0100-01

Sample Matrix: Ground 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	2/7/18	2/8/18 14:03	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Barium	1100	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Cadmium	4.1	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Copper	48	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Mercury	0.00013	0.00010	mg/L	1		SW-846 7470A	2/7/18	2/8/18 14:38	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Silver	60	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD
Zinc	50	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:03	WSD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-3 | Sampled: 2/1/2018 10:45

Sample ID: 18B0100-02

Sample Matrix: Ground 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	2/6/18	2/7/18 12:36	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-3 | Sampled: 2/1/2018 10:45

Sample ID: 18B0100-02

Sample Matrix: Ground 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	2/6/18	2/7/18 12:36	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 12:36	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		2/7/18 12:36
Toluene-d8	94.8	70-130		2/7/18 12:36
4-Bromofluorobenzene	93.8	70-130		2/7/18 12:36

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-3 | Sampled: 2/1/2018 10:45

Sample ID: 18B0100-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Aniline	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Bis(2-Ethylhexyl)phthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	2/7/18	2/8/18 17:32	CDT
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2,4-Dinitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Hexachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Hexachloroethane	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-3 | Sampled: 2/1/2018 10:45

Sample ID: 18B0100-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
3-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Pentachlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:36	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:32	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.4	15-110		2/8/18 17:32
Phenol-d6	29.7	15-110		2/8/18 17:32
Nitrobenzene-d5	68.4	30-130		2/8/18 19:36
Nitrobenzene-d5	61.3	30-130		2/8/18 17:32
2-Fluorobiphenyl	63.6	30-130		2/8/18 17:32
2-Fluorobiphenyl	69.9	30-130		2/8/18 19:36
2,4,6-Tribromophenol	65.3	15-110		2/8/18 17:32
p-Terphenyl-d14	60.4	30-130		2/8/18 19:36
p-Terphenyl-d14	69.4	30-130		2/8/18 17:32

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-3 | Sampled: 2/1/2018 10:45

Sample ID: 18B0100-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 9:57	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	103	30-150			2/9/18 9:57
Decachlorobiphenyl [2]	89.5	30-150			2/9/18 9:57
Tetrachloro-m-xylene [1]	91.4	30-150			2/9/18 9:57
Tetrachloro-m-xylene [2]	87.2	30-150			2/9/18 9:57

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-3 | Sampled: 2/1/2018 10:45

Sample ID: 18B0100-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.15	0.078	mg/L	1		CTDEP ETPH	2/7/18	2/8/18 19:25	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	80.5	50-150				2/8/18 19:25	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-3 | Sampled: 2/1/2018 10:45

Sample ID: 18B0100-02

Sample Matrix: Ground 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	2/7/18	2/8/18 14:06	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Barium	870	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Cadmium	4.3	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Copper	60	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/7/18	2/8/18 12:57	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Silver	45	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD
Zinc	71	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:06	WSD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-4 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-03

Sample Matrix: Ground 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	2/6/18	2/7/18 13:06	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-4 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-03

Sample Matrix: Ground 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	2/6/18	2/7/18 13:06	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:06	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		2/7/18 13:06
Toluene-d8	94.0	70-130		2/7/18 13:06
4-Bromofluorobenzene	93.6	70-130		2/7/18 13:06

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-4 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:10	KAL

Surrogates	% Recovery		Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	**235**	*	30-150	S-13	2/9/18 10:10	
Decachlorobiphenyl [2]	**357**	*	30-150	S-13	2/9/18 10:10	
Tetrachloro-m-xylene [1]	**219**	*	30-150	S-13	2/9/18 10:10	
Tetrachloro-m-xylene [2]	**441**	*	30-150	S-13	2/9/18 10:10	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-4 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-03

Sample Matrix: Ground 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	2/7/18	2/8/18 14:10	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Barium	530	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/7/18	2/8/18 12:59	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:10	WSD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-5 | Sampled: 2/1/2018 12:00

Sample ID: 18B0100-04

Sample Matrix: Ground 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	2/6/18	2/7/18 13:37	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-5 | Sampled: 2/1/2018 12:00

Sample ID: 18B0100-04

Sample Matrix: Ground 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	2/6/18	2/7/18 13:37	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 13:37	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		2/7/18 13:37
Toluene-d8	94.2	70-130		2/7/18 13:37
4-Bromofluorobenzene	93.0	70-130		2/7/18 13:37

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-5 | Sampled: 2/1/2018 12:00

Sample ID: 18B0100-04

Sample Matrix: Ground 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	2/7/18	2/8/18 20:05	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Carbazole	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	2/7/18	2/8/18 17:58	CDT
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-5 | Sampled: 2/1/2018 12:00

Sample ID: 18B0100-04

Sample Matrix: Ground 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	2/7/18	2/8/18 17:58	CDT
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:05	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	2/7/18	2/8/18 17:58	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.8	15-110		2/8/18 17:58
Phenol-d6	29.2	15-110		2/8/18 17:58
Nitrobenzene-d5	67.8	30-130		2/8/18 20:05
Nitrobenzene-d5	62.4	30-130		2/8/18 17:58
2-Fluorobiphenyl	66.0	30-130		2/8/18 17:58
2-Fluorobiphenyl	68.8	30-130		2/8/18 20:05
2,4,6-Tribromophenol	67.7	15-110		2/8/18 17:58
p-Terphenyl-d14	60.7	30-130		2/8/18 20:05
p-Terphenyl-d14	71.8	30-130		2/8/18 17:58

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-5 | Sampled: 2/1/2018 12:00

Sample ID: 18B0100-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		2/9/18 10:23
Decachlorobiphenyl [2]	91.4	30-150		2/9/18 10:23
Tetrachloro-m-xylene [1]	91.9	30-150		2/9/18 10:23
Tetrachloro-m-xylene [2]	86.0	30-150		2/9/18 10:23

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-5 | Sampled: 2/1/2018 12:00

Sample ID: 18B0100-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.077	mg/L	1		CTDEP ETPH	2/7/18	2/8/18 15:51	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	75.6	50-150				2/8/18 15:51	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-5 | Sampled: 2/1/2018 12:00

Sample ID: 18B0100-04

Sample Matrix: Ground 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	2/7/18	2/8/18 14:13	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Barium	650	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/7/18	2/8/18 13:00	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:13	WSD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-6 | Sampled: 2/1/2018 13:25

Sample ID: 18B0100-05

Sample Matrix: Ground 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	2/6/18	2/7/18 14:08	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-6 | Sampled: 2/1/2018 13:25

Sample ID: 18B0100-05

Sample Matrix: Ground 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	2/6/18	2/7/18 14:08	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:08	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		2/7/18 14:08
Toluene-d8	93.7	70-130		2/7/18 14:08
4-Bromofluorobenzene	91.8	70-130		2/7/18 14:08

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-6 | Sampled: 2/1/2018 13:25

Sample ID: 18B0100-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Aniline	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Bis(2-Ethylhexyl)phthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	2/7/18	2/8/18 18:24	CDT
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2,4-Dinitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Hexachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Hexachloroethane	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-6 | Sampled: 2/1/2018 13:25

Sample ID: 18B0100-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
3-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Pentachlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 20:33	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:24	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.7	15-110		2/8/18 18:24
Phenol-d6	30.6	15-110		2/8/18 18:24
Nitrobenzene-d5	71.0	30-130		2/8/18 20:33
Nitrobenzene-d5	63.6	30-130		2/8/18 18:24
2-Fluorobiphenyl	65.7	30-130		2/8/18 18:24
2-Fluorobiphenyl	69.2	30-130		2/8/18 20:33
2,4,6-Tribromophenol	67.3	15-110		2/8/18 18:24
p-Terphenyl-d14	60.7	30-130		2/8/18 20:33
p-Terphenyl-d14	71.4	30-130		2/8/18 18:24

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-6 | Sampled: 2/1/2018 13:25

Sample ID: 18B0100-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		2/9/18 10:36
Decachlorobiphenyl [2]	89.8	30-150		2/9/18 10:36
Tetrachloro-m-xylene [1]	89.9	30-150		2/9/18 10:36
Tetrachloro-m-xylene [2]	85.0	30-150		2/9/18 10:36

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-6 | Sampled: 2/1/2018 13:25

Sample ID: 18B0100-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.075	mg/L	1		CTDEP ETPH	2/7/18	2/8/18 16:09	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	74.2	50-150				2/8/18 16:09	

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: MW-6 | Sampled: 2/1/2018 13:25

Sample ID: 18B0100-05

Sample Matrix: Ground 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	2/7/18	2/8/18 14:24	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Barium	2900	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Cadmium	5.6	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Copper	67	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/7/18	2/8/18 13:02	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Silver	29	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:24	WSD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: DUP-1 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-06

Sample Matrix: Ground 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	2/6/18	2/7/18 14:39	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: DUP-1 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-06

Sample Matrix: Ground 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	2/6/18	2/7/18 14:39	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 14:39	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.6	70-130		2/7/18 14:39
Toluene-d8	93.0	70-130		2/7/18 14:39
4-Bromofluorobenzene	92.9	70-130		2/7/18 14:39

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: DUP-1 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Aniline	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Bis(2-Ethylhexyl)phthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	2/7/18	2/8/18 18:50	CDT
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2,4-Dinitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Hexachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Hexachloroethane	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: DUP-1 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
3-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Pentachlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:02	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	2/7/18	2/8/18 18:50	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.0	15-110		2/8/18 18:50
Phenol-d6	27.3	15-110		2/8/18 18:50
Nitrobenzene-d5	66.5	30-130		2/8/18 21:02
Nitrobenzene-d5	58.9	30-130		2/8/18 18:50
2-Fluorobiphenyl	60.7	30-130		2/8/18 18:50
2-Fluorobiphenyl	65.6	30-130		2/8/18 21:02
2,4,6-Tribromophenol	62.7	15-110		2/8/18 18:50
p-Terphenyl-d14	59.9	30-130		2/8/18 21:02
p-Terphenyl-d14	67.9	30-130		2/8/18 18:50

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: DUP-1 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 10:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		2/9/18 10:49
Decachlorobiphenyl [2]	93.9	30-150		2/9/18 10:49
Tetrachloro-m-xylene [1]	93.6	30-150		2/9/18 10:49
Tetrachloro-m-xylene [2]	88.8	30-150		2/9/18 10:49

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: DUP-1 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.078	mg/L	1		CTDEP ETPH	2/7/18	2/8/18 16:27	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
o-Terphenyl	75.1	50-150						2/8/18 16:27

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: DUP-1 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-06

Sample Matrix: Ground 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	2/7/18	2/8/18 14:27	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Barium	680	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/7/18	2/8/18 13:04	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:27	WSD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: TB-020118 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-07

Sample Matrix: Trip 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	2/6/18	2/7/18 7:58	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: TB-020118 | Sampled: 2/1/2018 00:00

Sample ID: 18B0100-07

Sample Matrix: Trip 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	2/6/18	2/7/18 7:58	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 7:58	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.4	70-130		2/7/18 7:58
Toluene-d8	94.4	70-130		2/7/18 7:58
4-Bromofluorobenzene	94.0	70-130		2/7/18 7:58

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: EB-1 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-08

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	2/6/18	2/7/18 8:29	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: EB-1 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-08

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	2/6/18	2/7/18 8:29	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	2/6/18	2/7/18 8:29	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
1,2-Dichloroethane-d4	99.2	70-130				2/7/18 8:29
Toluene-d8	92.2	70-130				2/7/18 8:29
4-Bromofluorobenzene	93.1	70-130				2/7/18 8:29

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: EB-1 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-08

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	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Aniline	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
4-Chloroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	2/7/18	2/8/18 19:15	CDT
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
3,3-Dichlorobenzidine	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2,4-Dinitrophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: EB-1 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-08

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	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
3-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
4-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
N-Nitrosodiphenylamine	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Phenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	2/7/18	2/8/18 21:30	CJM
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	2/7/18	2/8/18 19:15	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.2	15-110		2/8/18 19:15
Phenol-d6	27.3	15-110		2/8/18 19:15
Nitrobenzene-d5	60.2	30-130		2/8/18 19:15
Nitrobenzene-d5	69.5	30-130		2/8/18 21:30
2-Fluorobiphenyl	68.3	30-130		2/8/18 21:30
2-Fluorobiphenyl	62.7	30-130		2/8/18 19:15
2,4,6-Tribromophenol	65.9	15-110		2/8/18 19:15
p-Terphenyl-d14	62.6	30-130		2/8/18 21:30
p-Terphenyl-d14	68.8	30-130		2/8/18 19:15

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: EB-1 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-08

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	2/8/18	2/9/18 11:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.9	30-150		2/9/18 11:02
Decachlorobiphenyl [2]	70.0	30-150		2/9/18 11:02
Tetrachloro-m-xylene [1]	95.9	30-150		2/9/18 11:02
Tetrachloro-m-xylene [2]	91.7	30-150		2/9/18 11:02

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: EB-1 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-08

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	2/7/18	2/8/18 16:45	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	81.9	50-150					2/8/18 16:45

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

Project Location: 107 Selden St., Berlin, CT | Sample Description: | Work Order: 18B0100

Date Received: 2/2/2018

Field Sample #: EB-1 | Sampled: 2/1/2018 14:00

Sample ID: 18B0100-08

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	2/7/18	2/8/18 14:41	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	2/7/18	2/8/18 13:05	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	2/7/18	2/8/18 14:41	WSD

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 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-01 [MW-1]	B196296	900	1.00	02/07/18
18B0100-02 [MW-3]	B196296	960	1.00	02/07/18
18B0100-04 [MW-5]	B196296	980	1.00	02/07/18
18B0100-05 [MW-6]	B196296	1000	1.00	02/07/18
18B0100-06 [DUP-1]	B196296	960	1.00	02/07/18
18B0100-08 [EB-1]	B196296	1000	1.00	02/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-01 [MW-1]	B196356	50.0	50.0	02/07/18
18B0100-02 [MW-3]	B196356	50.0	50.0	02/07/18
18B0100-03 [MW-4]	B196356	50.0	50.0	02/07/18
18B0100-04 [MW-5]	B196356	50.0	50.0	02/07/18
18B0100-05 [MW-6]	B196356	50.0	50.0	02/07/18
18B0100-06 [DUP-1]	B196356	50.0	50.0	02/07/18
18B0100-08 [EB-1]	B196356	50.0	50.0	02/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-01 [MW-1]	B196348	6.00	6.00	02/07/18
18B0100-02 [MW-3]	B196348	6.00	6.00	02/07/18
18B0100-03 [MW-4]	B196348	6.00	6.00	02/07/18
18B0100-04 [MW-5]	B196348	6.00	6.00	02/07/18
18B0100-05 [MW-6]	B196348	6.00	6.00	02/07/18
18B0100-06 [DUP-1]	B196348	6.00	6.00	02/07/18
18B0100-08 [EB-1]	B196348	6.00	6.00	02/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-01 [MW-1]	B196382	1000	10.0	02/08/18
18B0100-02 [MW-3]	B196382	1000	10.0	02/08/18
18B0100-03 [MW-4]	B196382	1000	10.0	02/08/18
18B0100-04 [MW-5]	B196382	1000	10.0	02/08/18
18B0100-05 [MW-6]	B196382	1000	10.0	02/08/18
18B0100-06 [DUP-1]	B196382	1000	10.0	02/08/18
18B0100-08 [EB-1]	B196382	1000	10.0	02/08/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-01 [MW-1]	B196213	5	5.00	02/06/18
18B0100-02 [MW-3]	B196213	5	5.00	02/06/18
18B0100-03 [MW-4]	B196213	5	5.00	02/06/18
18B0100-04 [MW-5]	B196213	5	5.00	02/06/18
18B0100-05 [MW-6]	B196213	5	5.00	02/06/18
18B0100-06 [DUP-1]	B196213	5	5.00	02/06/18
18B0100-07 [TB-020118]	B196213	5	5.00	02/06/18

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 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-08 [EB-1]	B196213	5	5.00	02/06/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-01 [MW-1]	B196295	1040	1.00	02/07/18
18B0100-02 [MW-3]	B196295	1030	1.00	02/07/18
18B0100-04 [MW-5]	B196295	1000	1.00	02/07/18
18B0100-05 [MW-6]	B196295	1030	1.00	02/07/18
18B0100-06 [DUP-1]	B196295	1030	1.00	02/07/18
18B0100-08 [EB-1]	B196295	1040	1.00	02/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18B0100-01 [MW-1]	B196453	1040	1.00	02/07/18
18B0100-02 [MW-3]	B196453	1030	1.00	02/07/18
18B0100-04 [MW-5]	B196453	1000	1.00	02/07/18
18B0100-05 [MW-6]	B196453	1030	1.00	02/07/18
18B0100-06 [DUP-1]	B196453	1030	1.00	02/07/18
18B0100-08 [EB-1]	B196453	1040	1.00	02/07/18

con-test® ANALYTICAL LABORATORY
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 B196213 - SW-846 5030B										
Blank (B196213-BLK1)				Prepared: 02/06/18 Analyzed: 02/07/18						
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	1.0	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							
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	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	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	1.0	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							

con-test® ANALYTICAL LABORATORY
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 B196213 - SW-846 5030B										
Blank (B196213-BLK1)				Prepared: 02/06/18 Analyzed: 02/07/18						
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	1.0	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							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		97.0	70-130			
Surrogate: Toluene-d8	*23.2*		µg/L	25.0		92.6	70-130			
Surrogate: 4-Bromofluorobenzene	*23.6*		µg/L	25.0		94.6	70-130			
LCS (B196213-BS1)				Prepared: 02/06/18 Analyzed: 02/07/18						
Acetone	87.9	10	µg/L	100		87.9	70-130			
Acrylonitrile	8.74	2.0	µg/L	10.0		87.4	70-130			
Benzene	8.08	0.50	µg/L	10.0		80.8	70-130			
Bromobenzene	11.5	0.50	µg/L	10.0		115	70-130			
Bromodichloromethane	9.01	0.50	µg/L	10.0		90.1	70-130			
Bromoform	11.1	1.0	µg/L	10.0		111	70-130			
Bromomethane	9.29	5.0	µg/L	10.0		92.9	70-130			
2-Butanone (MEK)	89.6	5.0	µg/L	100		89.6	70-130			
n-Butylbenzene	12.9	1.0	µg/L	10.0		129	70-130			
sec-Butylbenzene	12.3	1.0	µg/L	10.0		123	70-130			
tert-Butylbenzene	12.3	1.0	µg/L	10.0		123	70-130			
Carbon Disulfide	84.2	5.0	µg/L	100		84.2	70-130			
Carbon Tetrachloride	8.59	0.50	µg/L	10.0		85.9	70-130			
Chlorobenzene	11.4	0.50	µg/L	10.0		114	70-130			
Chlorodibromomethane	9.27	0.50	µg/L	10.0		92.7	70-130			
Chloroethane	7.96	0.50	µg/L	10.0		79.6	70-130			
Chloroform	8.33	0.50	µg/L	10.0		83.3	70-130			
Chloromethane	8.25	0.60	µg/L	10.0		82.5	70-130			
2-Chlorotoluene	11.6	0.50	µg/L	10.0		116	70-130			
4-Chlorotoluene	11.6	0.50	µg/L	10.0		116	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.4	2.0	µg/L	10.0		114	70-130			
1,2-Dibromoethane (EDB)	9.46	0.50	µg/L	10.0		94.6	70-130			
Dibromomethane	9.19	0.50	µg/L	10.0		91.9	70-130			
1,2-Dichlorobenzene	12.3	0.50	µg/L	10.0		123	70-130			
1,3-Dichlorobenzene	12.1	0.50	µg/L	10.0		121	70-130			
1,4-Dichlorobenzene	11.8	0.50	µg/L	10.0		118	70-130			
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.0		105	70-130			
Dichlorodifluoromethane (Freon 12)	8.22	0.50	µg/L	10.0		82.2	70-130			V-34
1,1-Dichloroethane	8.69	0.50	µg/L	10.0		86.9	70-130			
1,2-Dichloroethane	9.85	0.50	µg/L	10.0		98.5	70-130			

con-test® ANALYTICAL LABORATORY
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 B196213 - SW-846 5030B											
LCS (B196213-BS1)				Prepared: 02/06/18 Analyzed: 02/07/18							
1,1-Dichloroethylene	8.09	0.50	µg/L	10.0		80.9		70-130			
cis-1,2-Dichloroethylene	8.67	0.50	µg/L	10.0		86.7		70-130			
trans-1,2-Dichloroethylene	8.45	1.0	µg/L	10.0		84.5		70-130			
1,2-Dichloropropane	9.61	0.50	µg/L	10.0		96.1		70-130			
1,3-Dichloropropane	9.32	0.50	µg/L	10.0		93.2		70-130			
2,2-Dichloropropane	8.82	0.50	µg/L	10.0		88.2		70-130			
1,1-Dichloropropene	8.26	0.50	µg/L	10.0		82.6		70-130			
cis-1,3-Dichloropropene	9.40	0.50	µg/L	10.0		94.0		70-130			
trans-1,3-Dichloropropene	9.37	0.50	µg/L	10.0		93.7		70-130			
Ethylbenzene	11.4	0.50	µg/L	10.0		114		70-130			
Hexachlorobutadiene	13.0	1.0	µg/L	10.0		130		70-130			
2-Hexanone (MBK)	100	5.0	µg/L	100		100		70-130			
Isopropylbenzene (Cumene)	11.4	0.50	µg/L	10.0		114		70-130			
p-Isopropyltoluene (p-Cymene)	12.6	0.50	µg/L	10.0		126		70-130			
Methyl tert-Butyl Ether (MTBE)	8.11	0.50	µg/L	10.0		81.1		70-130			
Methylene Chloride	8.35	5.0	µg/L	10.0		83.5		70-130			
4-Methyl-2-pentanone (MIBK)	95.7	5.0	µg/L	100		95.7		70-130			
Naphthalene	11.0	2.0	µg/L	10.0		110		70-130			
n-Propylbenzene	11.5	1.0	µg/L	10.0		115		70-130			
Styrene	11.7	1.0	µg/L	10.0		117		70-130			
1,1,1,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116		70-130			
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130			
Tetrachloroethylene	9.48	1.0	µg/L	10.0		94.8		70-130			
Tetrahydrofuran	8.75	10	µg/L	10.0		87.5		70-130			
Toluene	9.33	1.0	µg/L	10.0		93.3		70-130			
1,2,3-Trichlorobenzene	12.1	2.0	µg/L	10.0		121		70-130			
1,2,4-Trichlorobenzene	13.2	1.0	µg/L	10.0		**132**	*	70-130			L-01
1,1,1-Trichloroethane	8.71	0.50	µg/L	10.0		87.1		70-130			
1,1,2-Trichloroethane	9.28	0.50	µg/L	10.0		92.8		70-130			
Trichloroethylene	9.81	1.0	µg/L	10.0		98.1		70-130			
Trichlorofluoromethane (Freon 11)	8.04	2.0	µg/L	10.0		80.4		70-130			
1,2,3-Trichloropropane	11.1	1.0	µg/L	10.0		111		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.24	0.50	µg/L	10.0		82.4		70-130			
1,2,4-Trimethylbenzene	12.3	0.50	µg/L	10.0		123		70-130			
1,3,5-Trimethylbenzene	11.7	0.50	µg/L	10.0		117		70-130			
Vinyl Chloride	8.12	1.0	µg/L	10.0		81.2		70-130			
m+p Xylene	22.9	2.0	µg/L	20.0		115		70-130			
o-Xylene	11.2	1.0	µg/L	10.0		112		70-130			
Xylenes (total)	34.2	3.0	µg/L					0-200			
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		97.0		70-130			
Surrogate: Toluene-d8	*23.5*		µg/L	25.0		94.0		70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.6		70-130			

con-test® ANALYTICAL LABORATORY
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 B196295 - SW-846 3510C										
Blank (B196295-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18						
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	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
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	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	10	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	*76.7*		µg/L	200		38.4	15-110			
Surrogate: Phenol-d6	*52.2*		µg/L	200		26.1	15-110			
Surrogate: Nitrobenzene-d5	*67.8*		µg/L	100		67.8	30-130			
Surrogate: 2-Fluorobiphenyl	*69.7*		µg/L	100		69.7	30-130			

con-test® ANALYTICAL LABORATORY
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 B196295 - SW-846 3510C											
Blank (B196295-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18							
Surrogate: 2,4,6-Tribromophenol	*148*		µg/L	200		73.9	15-110				
Surrogate: p-Terphenyl-d14	*76.7*		µg/L	100		76.7	30-130				
LCS (B196295-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18							
Aniline	27.9	5.0	µg/L	50.0		55.9	40-140				†
Bis(2-chloroethoxy)methane	38.6	10	µg/L	50.0		77.1	40-140				
Bis(2-chloroethyl)ether	34.9	10	µg/L	50.0		69.8	40-140				
Bis(2-chloroisopropyl)ether	35.6	10	µg/L	50.0		71.3	40-140				
Bis(2-Ethylhexyl)phthalate	37.2	10	µg/L	50.0		74.3	40-140				
4-Bromophenylphenylether	34.7	10	µg/L	50.0		69.3	40-140				
Butylbenzylphthalate	36.6	10	µg/L	50.0		73.1	40-140				
Carbazole	35.4	10	µg/L	50.0		70.8	40-140				
4-Chloroaniline	31.6	10	µg/L	50.0		63.1	40-140			V-34	†
4-Chloro-3-methylphenol	33.3	10	µg/L	50.0		66.6	30-130				
2-Chloronaphthalene	31.7	10	µg/L	50.0		63.3	40-140				
2-Chlorophenol	30.1	10	µg/L	50.0		60.2	30-130				
4-Chlorophenylphenylether	34.4	10	µg/L	50.0		68.9	40-140				
Dibenzofuran	35.2	5.0	µg/L	50.0		70.4	40-140				
Di-n-butylphthalate	35.2	10	µg/L	50.0		70.5	40-140				
3,3-Dichlorobenzidine	44.6	10	µg/L	50.0		89.1	40-140				†
2,4-Dichlorophenol	33.3	10	µg/L	50.0		66.7	30-130				
Diethylphthalate	34.6	10	µg/L	50.0		69.3	40-140				
2,4-Dimethylphenol	41.6	10	µg/L	50.0		83.3	30-130				
Dimethylphthalate	34.9	10	µg/L	50.0		69.7	40-140				
4,6-Dinitro-2-methylphenol	32.8	10	µg/L	50.0		65.5	30-130				
2,4-Dinitrophenol	35.6	10	µg/L	50.0		71.3	30-130				
2,4-Dinitrotoluene	36.0	10	µg/L	50.0		72.0	40-140				
2,6-Dinitrotoluene	37.1	10	µg/L	50.0		74.2	40-140				
Di-n-octylphthalate	34.7	10	µg/L	50.0		69.4	40-140				
Hexachlorobenzene	33.8	10	µg/L	50.0		67.6	40-140				
Hexachlorobutadiene	31.1	10	µg/L	50.0		62.2	40-140				
Hexachlorocyclopentadiene	30.4	10	µg/L	50.0		60.7	30-140				
Hexachloroethane	30.2	10	µg/L	50.0		60.4	40-140				
Isophorone	35.5	10	µg/L	50.0		71.1	40-140				
2-Methylphenol	26.6	10	µg/L	50.0		53.1	30-130				
3/4-Methylphenol	26.7	10	µg/L	50.0		53.3	30-130				
2-Nitroaniline	44.3	10	µg/L	50.0		88.6	40-140				
3-Nitroaniline	36.2	10	µg/L	50.0		72.4	40-140				†
4-Nitroaniline	37.1	10	µg/L	50.0		74.3	40-140				
Nitrobenzene	32.4	10	µg/L	50.0		64.9	40-140				
2-Nitrophenol	33.8	10	µg/L	50.0		67.6	30-130				
4-Nitrophenol	15.6	10	µg/L	50.0		31.1	10-130				
N-Nitrosodiphenylamine	42.9	10	µg/L	50.0		85.9	40-140				
N-Nitrosodi-n-propylamine	34.1	10	µg/L	50.0		68.1	40-140				
Pentachloronitrobenzene	35.6	10	µg/L	50.0		71.2	40-140			V-16	
Pentachlorophenol	33.0	10	µg/L	50.0		66.0	30-130				
Phenol	12.9	10	µg/L	50.0		25.8	20-130				
Pyridine	13.0	5.0	µg/L	50.0		26.0	10-140				†
1,2,4,5-Tetrachlorobenzene	34.8	10	µg/L	50.0		69.6	40-140				
1,2,4-Trichlorobenzene	31.6	5.0	µg/L	50.0		63.2	40-140				
2,4,5-Trichlorophenol	34.4	10	µg/L	50.0		68.8	30-130				
2,4,6-Trichlorophenol	34.2	10	µg/L	50.0		68.3	30-130				

con-test® ANALYTICAL LABORATORY
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 B196295 - SW-846 3510C											
LCS (B196295-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18							
Surrogate: 2-Fluorophenol	*75.8*		µg/L	200		37.9	15-110				
Surrogate: Phenol-d6	*52.8*		µg/L	200		26.4	15-110				
Surrogate: Nitrobenzene-d5	*73.5*		µg/L	100		73.5	30-130				
Surrogate: 2-Fluorobiphenyl	*72.5*		µg/L	100		72.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*161*		µg/L	200		80.7	15-110				
Surrogate: p-Terphenyl-d14	*75.2*		µg/L	100		75.2	30-130				
LCS Dup (B196295-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18							
Aniline	26.9	5.0	µg/L	50.0		53.8	40-140	3.76	50		† ‡
Bis(2-chloroethoxy)methane	38.0	10	µg/L	50.0		76.0	40-140	1.44	20		
Bis(2-chloroethyl)ether	34.1	10	µg/L	50.0		68.2	40-140	2.23	20		
Bis(2-chloroisopropyl)ether	34.8	10	µg/L	50.0		69.7	40-140	2.30	20		
Bis(2-Ethylhexyl)phthalate	37.5	10	µg/L	50.0		75.0	40-140	0.911	20		
4-Bromophenylphenylether	34.6	10	µg/L	50.0		69.3	40-140	0.0289	20		
Butylbenzylphthalate	37.0	10	µg/L	50.0		74.0	40-140	1.22	20		
Carbazole	35.3	10	µg/L	50.0		70.6	40-140	0.311	20		
4-Chloroaniline	31.1	10	µg/L	50.0		62.2	40-140	1.50	20	V-34	†
4-Chloro-3-methylphenol	32.3	10	µg/L	50.0		64.6	30-130	3.05	20		
2-Chloronaphthalene	31.8	10	µg/L	50.0		63.7	40-140	0.535	20		
2-Chlorophenol	29.0	10	µg/L	50.0		58.0	30-130	3.76	20		
4-Chlorophenylphenylether	34.2	10	µg/L	50.0		68.4	40-140	0.728	20		
Dibenzofuran	34.8	5.0	µg/L	50.0		69.6	40-140	1.06	20		
Di-n-butylphthalate	35.0	10	µg/L	50.0		69.9	40-140	0.769	20		
3,3-Dichlorobenzidine	44.2	10	µg/L	50.0		88.4	40-140	0.834	20		† ‡
2,4-Dichlorophenol	32.0	10	µg/L	50.0		64.0	30-130	4.13	20		
Diethylphthalate	34.4	10	µg/L	50.0		68.8	40-140	0.695	20		
2,4-Dimethylphenol	39.3	10	µg/L	50.0		78.7	30-130	5.73	20		
Dimethylphthalate	34.5	10	µg/L	50.0		69.0	40-140	1.04	50		
4,6-Dinitro-2-methylphenol	30.1	10	µg/L	50.0		60.2	30-130	8.50	50		
2,4-Dinitrophenol	31.2	10	µg/L	50.0		62.3	30-130	13.4	50		
2,4-Dinitrotoluene	35.5	10	µg/L	50.0		71.1	40-140	1.34	20		
2,6-Dinitrotoluene	37.4	10	µg/L	50.0		74.7	40-140	0.699	20		
Di-n-octylphthalate	35.2	10	µg/L	50.0		70.4	40-140	1.43	20		
Hexachlorobenzene	33.7	10	µg/L	50.0		67.4	40-140	0.267	20		
Hexachlorobutadiene	31.0	10	µg/L	50.0		62.0	40-140	0.354	20		
Hexachlorocyclopentadiene	30.1	10	µg/L	50.0		60.2	30-140	0.927	50		
Hexachloroethane	29.8	10	µg/L	50.0		59.6	40-140	1.33	50		
Isophorone	35.2	10	µg/L	50.0		70.4	40-140	0.933	20		
2-Methylphenol	26.8	10	µg/L	50.0		53.6	30-130	0.937	20		
3/4-Methylphenol	28.0	10	µg/L	50.0		56.0	30-130	4.94	20		
2-Nitroaniline	43.7	10	µg/L	50.0		87.5	40-140	1.25	20		
3-Nitroaniline	36.7	10	µg/L	50.0		73.4	40-140	1.29	20		†
4-Nitroaniline	37.7	10	µg/L	50.0		75.4	40-140	1.47	20		
Nitrobenzene	32.3	10	µg/L	50.0		64.6	40-140	0.525	20		
2-Nitrophenol	31.7	10	µg/L	50.0		63.5	30-130	6.26	20		
4-Nitrophenol	15.0	10	µg/L	50.0		30.0	10-130	3.60	50		‡
N-Nitrosodiphenylamine	42.6	10	µg/L	50.0		85.2	40-140	0.772	20		
N-Nitrosodi-n-propylamine	33.4	10	µg/L	50.0		66.8	40-140	1.93	20		
Pentachloronitrobenzene	35.0	10	µg/L	50.0		70.0	40-140	1.73	20	V-16	
Pentachlorophenol	28.2	10	µg/L	50.0		56.4	30-130	15.7	50		
Phenol	13.1	10	µg/L	50.0		26.2	20-130	1.69	20		
Pyridine	9.46	5.0	µg/L	50.0		18.9	10-140	31.4	50		†

con-test® ANALYTICAL LABORATORY
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 B196295 - SW-846 3510C										
LCS Dup (B196295-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18						
1,2,4,5-Tetrachlorobenzene	34.0	10	µg/L	50.0		68.0	40-140	2.27	20	
1,2,4-Trichlorobenzene	31.2	5.0	µg/L	50.0		62.4	40-140	1.37	20	
2,4,5-Trichlorophenol	31.4	10	µg/L	50.0		62.7	30-130	9.18	20	
2,4,6-Trichlorophenol	31.5	10	µg/L	50.0		62.9	30-130	8.26	50	
Surrogate: 2-Fluorophenol	*74.6*		µg/L	200		37.3	15-110			
Surrogate: Phenol-d6	*54.1*		µg/L	200		27.0	15-110			
Surrogate: Nitrobenzene-d5	*69.8*		µg/L	100		69.8	30-130			
Surrogate: 2-Fluorobiphenyl	*71.5*		µg/L	100		71.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*148*		µg/L	200		74.0	15-110			
Surrogate: p-Terphenyl-d14	*77.3*		µg/L	100		77.3	30-130			
Batch B196453 - SW-846 3510C										
Blank (B196453-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18						
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	*77.6*		µg/L	100		77.6	30-130			
Surrogate: 2-Fluorobiphenyl	*76.8*		µg/L	100		76.8	30-130			
Surrogate: p-Terphenyl-d14	*69.9*		µg/L	100		69.9	30-130			
LCS (B196453-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Acenaphthene (SIM)	45.0	7.5	µg/L	50.0		90.0	40-140			
Acenaphthylene (SIM)	45.4	7.5	µg/L	50.0		90.9	40-140			
Anthracene (SIM)	46.8	5.0	µg/L	50.0		93.7	40-140			
Benzo(a)anthracene (SIM)	44.5	1.2	µg/L	50.0		89.0	40-140			
Benzo(a)pyrene (SIM)	47.8	2.5	µg/L	50.0		95.6	40-140			
Benzo(b)fluoranthene (SIM)	48.4	1.2	µg/L	50.0		96.9	40-140			
Benzo(g,h,i)perylene (SIM)	46.4	12	µg/L	50.0		92.7	40-140			
Benzo(k)fluoranthene (SIM)	49.2	5.0	µg/L	50.0		98.4	40-140			
Chrysene (SIM)	41.8	5.0	µg/L	50.0		83.7	40-140			
Dibenz(a,h)anthracene (SIM)	51.2	5.0	µg/L	50.0		102	40-140			
Fluoranthene (SIM)	43.8	12	µg/L	50.0		87.5	40-140			
Fluorene (SIM)	47.4	25	µg/L	50.0		94.7	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	49.9	5.0	µg/L	50.0		99.8	40-140			
2-Methylnaphthalene (SIM)	45.6	25	µg/L	50.0		91.1	40-140			
Naphthalene (SIM)	45.4	25	µg/L	50.0		90.8	40-140			
Phenanthrene (SIM)	44.3	1.2	µg/L	50.0		88.6	40-140			
Pyrene (SIM)	43.4	25	µg/L	50.0		86.8	40-140			

con-test® ANALYTICAL LABORATORY
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 B196453 - SW-846 3510C										
LCS (B196453-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Surrogate: Nitrobenzene-d5	*90.0*		µg/L	100		90.0	30-130			
Surrogate: 2-Fluorobiphenyl	*102*		µg/L	100		102	30-130			
Surrogate: p-Terphenyl-d14	*76.7*		µg/L	100		76.7	30-130			
LCS Dup (B196453-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Acenaphthene (SIM)	44.0	7.5	µg/L	50.0		88.0	40-140	2.36	20	
Acenaphthylene (SIM)	43.8	7.5	µg/L	50.0		87.5	40-140	3.81	20	
Anthracene (SIM)	46.2	5.0	µg/L	50.0		92.4	40-140	1.40	20	
Benzo(a)anthracene (SIM)	44.4	1.2	µg/L	50.0		88.9	40-140	0.112	20	
Benzo(a)pyrene (SIM)	46.9	2.5	µg/L	50.0		93.8	40-140	1.80	20	
Benzo(b)fluoranthene (SIM)	47.5	1.2	µg/L	50.0		95.0	40-140	1.93	20	
Benzo(g,h,i)perylene (SIM)	45.4	12	µg/L	50.0		90.8	40-140	2.02	20	
Benzo(k)fluoranthene (SIM)	48.2	5.0	µg/L	50.0		96.5	40-140	1.95	20	
Chrysene (SIM)	41.4	5.0	µg/L	50.0		82.8	40-140	1.08	20	
Dibenz(a,h)anthracene (SIM)	49.5	5.0	µg/L	50.0		99.0	40-140	3.33	20	
Fluoranthene (SIM)	44.0	12	µg/L	50.0		88.1	40-140	0.683	20	
Fluorene (SIM)	46.9	25	µg/L	50.0		93.8	40-140	0.955	20	
Indeno(1,2,3-cd)pyrene (SIM)	48.6	5.0	µg/L	50.0		97.2	40-140	2.69	20	‡
2-Methylnaphthalene (SIM)	44.8	25	µg/L	50.0		89.6	40-140	1.66	20	
Naphthalene (SIM)	44.0	25	µg/L	50.0		88.0	40-140	3.13	20	
Phenanthrene (SIM)	43.4	1.2	µg/L	50.0		86.8	40-140	2.11	20	
Pyrene (SIM)	41.7	25	µg/L	50.0		83.4	40-140	3.94	20	
Surrogate: Nitrobenzene-d5	*89.1*		µg/L	100		89.1	30-130			
Surrogate: 2-Fluorobiphenyl	*99.7*		µg/L	100		99.7	30-130			
Surrogate: p-Terphenyl-d14	*74.1*		µg/L	100		74.1	30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196382 - SW-846 3510C										
Blank (B196382-BLK1)				Prepared: 02/08/18 Analyzed: 02/09/18						
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	*1.79*		µg/L	2.00		89.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.81*		µg/L	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.67*		µg/L	2.00		83.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.72*		µg/L	2.00		86.0	30-150			
LCS (B196382-BS1)				Prepared: 02/08/18 Analyzed: 02/09/18						
Aroclor-1016	1.0	0.20	µg/L	1.00		105	40-140			
Aroclor-1016 [2C]	1.0	0.20	µg/L	1.00		102	40-140			
Aroclor-1260	0.89	0.20	µg/L	1.00		88.9	40-140			
Aroclor-1260 [2C]	0.86	0.20	µg/L	1.00		85.8	40-140			
Surrogate: Decachlorobiphenyl	*2.10*		µg/L	2.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.83*		µg/L	2.00		91.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.89*		µg/L	2.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.81*		µg/L	2.00		90.5	30-150			
LCS Dup (B196382-BSD1)				Prepared: 02/08/18 Analyzed: 02/09/18						
Aroclor-1016	1.0	0.20	µg/L	1.00		101	40-140	3.90	20	
Aroclor-1016 [2C]	0.97	0.20	µg/L	1.00		97.1	40-140	4.97	20	
Aroclor-1260	0.86	0.20	µg/L	1.00		85.5	40-140	3.92	20	
Aroclor-1260 [2C]	0.82	0.20	µg/L	1.00		82.1	40-140	4.43	20	
Surrogate: Decachlorobiphenyl	*2.05*		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/L	2.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.79*		µg/L	2.00		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/L	2.00		84.4	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196296 - SW-846 3510C										
Blank (B196296-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	*0.0834*		mg/L	0.100		83.4	50-150			
LCS (B196296-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18						
CT ETPH	0.813	0.075	mg/L	1.00		81.3	60-120			
Surrogate: o-Terphenyl	*0.0845*		mg/L	0.100		84.5	50-150			
LCS Dup (B196296-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18						
CT ETPH	0.812	0.075	mg/L	1.00		81.2	60-120	0.0639	30	
Surrogate: o-Terphenyl	*0.0845*		mg/L	0.100		84.5	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196348 - SW-846 7470A Prep										
Blank (B196348-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Mercury	ND	0.00010	mg/L							
LCS (B196348-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Mercury	0.00186	0.00010	mg/L	0.00200		92.9	80-120			
LCS Dup (B196348-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Mercury	0.00186	0.00010	mg/L	0.00200		93.2	80-120	0.318	20	
Duplicate (B196348-DUP1)		**Source: 18B0100-01**		Prepared: 02/07/18 Analyzed: 02/08/18						
Mercury	0.000162	0.00010	mg/L		0.000133			19.8	20	
Matrix Spike (B196348-MS1)		**Source: 18B0100-01**		Prepared: 02/07/18 Analyzed: 02/08/18						
Mercury	0.00219	0.00010	mg/L	0.00200	0.000133	103	75-125			
Batch B196356 - SW-846 3005A										
Blank (B196356-BLK1)				Prepared: 02/07/18 Analyzed: 02/08/18						
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 (B196356-BS1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Antimony	505	10	µg/L	500		101	80-120			
Arsenic	505	4.0	µg/L	500		101	80-120			
Barium	507	100	µg/L	500		101	80-120			
Beryllium	499	4.0	µg/L	500		99.8	80-120			
Cadmium	510	5.0	µg/L	500		102	80-120			
Chromium	506	10	µg/L	500		101	80-120			
Copper	989	50	µg/L	1000		98.9	80-120			
Lead	499	10	µg/L	500		99.8	80-120			
Nickel	501	50	µg/L	500		100	80-120			
Selenium	492	50	µg/L	500		98.5	80-120			
Silver	504	5.0	µg/L	500		101	80-120			
Thallium	500	2.0	µg/L	500		100	80-120			
Vanadium	498	50	µg/L	500		99.6	80-120			
Zinc	990	100	µg/L	1000		99.0	80-120			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B196356 - SW-846 3005A										
LCS Dup (B196356-BSD1)				Prepared: 02/07/18 Analyzed: 02/08/18						
Antimony	504	10	µg/L	500		101	80-120	0.157	20	
Arsenic	504	4.0	µg/L	500		101	80-120	0.135	20	
Barium	507	100	µg/L	500		101	80-120	0.0791	20	
Beryllium	506	4.0	µg/L	500		101	80-120	1.33	20	
Cadmium	503	5.0	µg/L	500		101	80-120	1.42	20	
Chromium	509	10	µg/L	500		102	80-120	0.506	20	
Copper	1000	50	µg/L	1000		100	80-120	1.02	20	
Lead	494	10	µg/L	500		98.7	80-120	1.10	20	
Nickel	503	50	µg/L	500		101	80-120	0.395	20	
Selenium	503	50	µg/L	500		101	80-120	2.19	20	
Silver	505	5.0	µg/L	500		101	80-120	0.125	20	
Thallium	498	2.0	µg/L	500		99.6	80-120	0.375	20	
Vanadium	502	50	µg/L	500		100	80-120	0.901	20	
Zinc	1000	100	µg/L	1000		100	80-120	1.13	20	

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

LCS

Lab Sample ID: B196382-BS1 Date(s) Analyzed: 02/09/2018 02/09/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	1.0	9.5
Aroclor-1260	1	0.000	0.000	0.000	0.89	
	2	0.000	0.000	0.000	0.86	3.4

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

LCS Dup

Lab Sample ID: B196382-BSD1 Date(s) Analyzed: 02/09/2018 02/09/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.97	3.1
Aroclor-1260	1	0.000	0.000	0.000	0.86	
	2	0.000	0.000	0.000	0.82	4.8

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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.
S-13	Surrogate recovery is outside of control limits on both columns. Data validation is not affected since all results are "not detected" and bias is on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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 Water	
CT ETPH	CT
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 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 Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
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

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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 Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	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-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
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	03/1/2018
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	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
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	12/14/2018
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