EVERSOURCE ENERGY

107 Selden Street
Berlin, CT 06037

July 27, 2017

Mr. Maurice Hamel
Bureau of Waste Management
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: 1) Letter, P. Boison to M. Hamel, dated April 28, 2017.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Hamel:

Simsbury Area Work Center
Groundwater Report – 2nd Quarter 2017

Eversource Energy herein submits quarterly groundwater data for the Simsbury Area Work Center.

As documented in our Fifteenth Annual Summary Report (Reference 1), a modification to the groundwater sampling program was proposed by the Licensed Environmental Professional retained to provide verification for the investigation and remediation of this site pursuant to CGS Section 22a-133v (Reference 2). Based on this recommendation, a sample was collected from MW-CCA-1 (quarterly sampling) and analyzed for VOCs, ETPH, and total 8 RCRA metals. In addition, to further evaluate area of potential environmental concern (AOPEC) #1, samples were collected from MW-CCA-2, MW-15, and MW-16 and analyzed for ETPH. To further evaluate AOPEC #3F, a sample was collected from MW-2A and analyzed for ETPH.

As indicated in the enclosed laboratory analytical data report, sample results for the analyzed constituents were below the Remediation Standard Regulation GA Groundwater Protection Criteria.

If you have any questions regarding this submittal, please call me at (860) 665-5751.

Very truly yours,

Eversource Energy

Drew Blicharz
Environmental Specialist

Enclosure

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

July 12, 2017

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury AWC
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 17G0098

Enclosed are results of analyses for samples received by the laboratory on July 5, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Georgantas

James M. Georgantas
Project Manager

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

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 7/12/2017

PURCHASE ORDER NUMBER: 02274021 Rel #6

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0098

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

PROJECT LOCATION: Simsbury AWC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-2A	17G0098-01	Ground Water		CTDEP ETPH	
MW-CCA-2	17G0098-02	Ground Water		CTDEP ETPH	
MW-16	17G0098-03	Ground Water		CTDEP ETPH	
MW-15	17G0098-04	Ground Water		CTDEP ETPH	
MW-CCA-1	17G0098-05	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8260C	
Trip Blank	17G0098-06	Trip Blank Water		SW-846 8260C	

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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 8260C

Qualifications:

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:

Acetone
17G0098-05[MW-CCA-1], 17G0098-06[Trip Blank], B181183-BLK1, B181183-BS1

Carbon Disulfide
17G0098-05[MW-CCA-1], 17G0098-06[Trip Blank], B181183-BLK1, B181183-BS1

Dichlorodifluoromethane (Freon 1
17G0098-05[MW-CCA-1], 17G0098-06[Trip Blank], B181183-BLK1, B181183-BS1

V-05

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

Analyte & Samples(s) Qualified:

Acetone
17G0098-05[MW-CCA-1], 17G0098-06[Trip Blank], B181183-BLK1, B181183-BS1

Carbon Disulfide
17G0098-05[MW-CCA-1], 17G0098-06[Trip Blank], B181183-BLK1, B181183-BS1

Dichlorodifluoromethane (Freon 1
17G0098-05[MW-CCA-1], 17G0098-06[Trip Blank], B181183-BLK1, B181183-BS1

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.

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

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098

Date Received: 7/5/2017

Field Sample #: MW-2A | Sampled: 7/5/2017 10:10

Sample ID: 17G0098-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	7/11/17	7/12/17 14:57	PJG
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
o-Terphenyl		81.3	50-150					7/12/17 14:57	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098

Date Received: 7/5/2017

Field Sample #: MW-CCA-2 | Sampled: 7/5/2017 10:45

Sample ID: 17G0098-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	7/11/17	7/12/17 15:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	80.4	50-150					7/12/17 15:16

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098
Date Received: 7/5/2017
Field Sample #: MW-16 | Sampled: 7/5/2017 11:30
Sample ID: 17G0098-03
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	7/11/17	7/12/17 15:35	PJG
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
o-Terphenyl		83.3	50-150					7/12/17 15:35	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098
Date Received: 7/5/2017
Field Sample #: MW-15 | Sampled: 7/5/2017 12:00
Sample ID: 17G0098-04
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	7/11/17	7/12/17 15:54	PJG
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
o-Terphenyl		81.5	50-150					7/12/17 15:54	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098
Date Received: 7/5/2017
Field Sample #: MW-CCA-1 | Sampled: 7/5/2017 13:15
Sample ID: 17G0098-05
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	L-03, V-05	SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Benzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Carbon Disulfide	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098
Date Received: 7/5/2017
Field Sample #: MW-CCA-1 | Sampled: 7/5/2017 13:15
Sample ID: 17G0098-05
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	7/10/17	7/10/17 14:11	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 14:11	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.8	70-130		7/10/17 14:11
Toluene-d8	102	70-130		7/10/17 14:11
4-Bromofluorobenzene	99.8	70-130		7/10/17 14:11

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Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098

Date Received: 7/5/2017

Field Sample #: MW-CCA-1 | Sampled: 7/5/2017 13:15

Sample ID: 17G0098-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	7/11/17	7/12/17 16:12	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
o-Terphenyl	82.3	50-150						7/12/17 16:12

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098

Date Received: 7/5/2017

Field Sample #: MW-CCA-1 | Sampled: 7/5/2017 13:15

Sample ID: 17G0098-05

Sample Matrix: Ground Water

Metals Analyses (Total)

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	7/10/17	7/12/17 8:26	WSD
Barium	74	50	µg/L	5		SW-846 6020A-B	7/10/17	7/12/17 8:26	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	7/10/17	7/12/17 8:26	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	7/10/17	7/12/17 8:26	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	7/10/17	7/12/17 8:26	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/7/17	7/10/17 13:58	TJK
Selenium	ND	25	µg/L	5		SW-846 6020A-B	7/10/17	7/12/17 8:26	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	7/10/17	7/12/17 8:26	WSD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098
Date Received: 7/5/2017
Field Sample #: Trip Blank | Sampled: 7/5/2017 00:00
Sample ID: 17G0098-06
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	L-03, V-05	SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Benzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Carbon Disulfide	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 17G0098
Date Received: 7/5/2017
Field Sample #: Trip Blank | Sampled: 7/5/2017 00:00
Sample ID: 17G0098-06
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	7/10/17	7/10/17 13:09	CMR
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	7/10/17	7/10/17 13:09	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.8	70-130		7/10/17 13:09
Toluene-d8	104	70-130		7/10/17 13:09
4-Bromofluorobenzene	98.6	70-130		7/10/17 13:09

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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
17G0098-01 [MW-2A]	B181307	1000	1.00	07/11/17
17G0098-02 [MW-CCA-2]	B181307	1000	1.00	07/11/17
17G0098-03 [MW-16]	B181307	1000	1.00	07/11/17
17G0098-04 [MW-15]	B181307	1000	1.00	07/11/17
17G0098-05 [MW-CCA-1]	B181307	1000	1.00	07/11/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G0098-05 [MW-CCA-1]	B181214	50.0	50.0	07/10/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G0098-05 [MW-CCA-1]	B181054	6.00	6.00	07/07/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17G0098-05 [MW-CCA-1]	B181183	5	5.00	07/10/17
17G0098-06 [Trip Blank]	B181183	5	5.00	07/10/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181183 - SW-846 5030B										
Blank (B181183-BLK1)				Prepared & Analyzed: 07/10/17						
Acetone	ND	10	µg/L							L-03, V-05
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							L-03, V-05
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	0.50	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							L-03, V-05
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result		%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181183 - SW-846 5030B											
Blank (B181183-BLK1)				Prepared & Analyzed: 07/10/17							
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	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								
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0			91.4	70-130			
Surrogate: Toluene-d8	*25.8*		µg/L	25.0			103	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0			98.7	70-130			
LCS (B181183-BS1)				Prepared & Analyzed: 07/10/17							
Acetone	52.2	10	µg/L	100			**52.2**	70-130			L-03, V-05
Acrylonitrile	9.67	2.0	µg/L	10.0			96.7	70-130			
Benzene	10.8	0.50	µg/L	10.0			108	70-130			
Bromobenzene	10.1	0.50	µg/L	10.0			101	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0			107	70-130			
Bromoform	11.3	0.50	µg/L	10.0			113	70-130			
Bromomethane	7.43	1.0	µg/L	10.0			74.3	70-130			
2-Butanone (MEK)	77.1	5.0	µg/L	100			77.1	70-130			
n-Butylbenzene	10.4	1.0	µg/L	10.0			104	70-130			
sec-Butylbenzene	10.3	1.0	µg/L	10.0			103	70-130			
tert-Butylbenzene	10.2	1.0	µg/L	10.0			102	70-130			
Carbon Disulfide	15.3	5.0	µg/L	100			**15.3**	70-130			L-03, V-05
Carbon Tetrachloride	10.4	0.50	µg/L	10.0			104	70-130			
Chlorobenzene	10.3	0.50	µg/L	10.0			103	70-130			
Chlorodibromomethane	10.9	0.50	µg/L	10.0			109	70-130			
Chloroethane	8.13	0.50	µg/L	10.0			81.3	70-130			
Chloroform	9.85	0.50	µg/L	10.0			98.5	70-130			
Chloromethane	7.29	0.60	µg/L	10.0			72.9	70-130			
2-Chlorotoluene	10.8	0.50	µg/L	10.0			108	70-130			
4-Chlorotoluene	10.3	0.50	µg/L	10.0			103	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.98	0.50	µg/L	10.0			99.8	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0			106	70-130			
Dibromomethane	11.3	0.50	µg/L	10.0			113	70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0			101	70-130			
1,3-Dichlorobenzene	10.4	0.50	µg/L	10.0			104	70-130			
1,4-Dichlorobenzene	9.88	0.50	µg/L	10.0			98.8	70-130			
trans-1,4-Dichloro-2-butene	8.89	2.0	µg/L	10.0			88.9	70-130			
Dichlorodifluoromethane (Freon 12)	6.02	0.50	µg/L	10.0			**60.2**	70-130			L-03, V-05
1,1-Dichloroethane	10.7	0.50	µg/L	10.0			107	70-130			
1,2-Dichloroethane	9.35	0.50	µg/L	10.0			93.5	70-130			
1,1-Dichloroethylene	8.93	0.50	µg/L	10.0			89.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B181183 - SW-846 5030B										
LCS (B181183-BS1)				Prepared & Analyzed: 07/10/17						
cis-1,2-Dichloroethylene	9.55	0.50	µg/L	10.0		95.5	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
2,2-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
1,1-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130			
Ethylbenzene	11.0	0.50	µg/L	10.0		110	70-130			
Hexachlorobutadiene	11.6	0.60	µg/L	10.0		116	70-130			
2-Hexanone (MBK)	87.1	5.0	µg/L	100		87.1	70-130			
Isopropylbenzene (Cumene)	11.2	0.50	µg/L	10.0		112	70-130			
p-Isopropyltoluene (p-Cymene)	10.4	0.50	µg/L	10.0		104	70-130			
Methyl tert-Butyl Ether (MTBE)	11.2	0.50	µg/L	10.0		112	70-130			
Methylene Chloride	8.45	5.0	µg/L	10.0		84.5	70-130			
4-Methyl-2-pentanone (MIBK)	93.5	5.0	µg/L	100		93.5	70-130			
Naphthalene	9.35	2.0	µg/L	10.0		93.5	70-130			
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110	70-130			
Tetrachloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
Tetrahydrofuran	9.49	10	µg/L	10.0		94.9	70-130			
Toluene	11.5	1.0	µg/L	10.0		115	70-130			
1,2,3-Trichlorobenzene	9.34	0.50	µg/L	10.0		93.4	70-130			
1,2,4-Trichlorobenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
1,1,1-Trichloroethane	10.0	0.50	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	8.66	2.0	µg/L	10.0		86.6	70-130			
1,2,3-Trichloropropane	9.71	0.50	µg/L	10.0		97.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.62	0.50	µg/L	10.0		86.2	70-130			
1,2,4-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Vinyl Chloride	8.31	1.0	µg/L	10.0		83.1	70-130			
m+p Xylene	21.9	2.0	µg/L	20.0		110	70-130			
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0		91.0	70-130			
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130			

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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 B181307 - SW-846 3510C										
Blank (B181307-BLK1)				Prepared: 07/11/17 Analyzed: 07/12/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	*0.0814*		mg/L	0.100		81.4	50-150			
LCS (B181307-BS1)				Prepared: 07/11/17 Analyzed: 07/12/17						
CT ETPH	0.721	0.075	mg/L	1.00		72.1	60-120			
Surrogate: o-Terphenyl	*0.0689*		mg/L	0.100		68.9	50-150			
LCS Dup (B181307-BSD1)				Prepared: 07/11/17 Analyzed: 07/12/17						
CT ETPH	0.677	0.075	mg/L	1.00		67.7	60-120	6.19	30	
Surrogate: o-Terphenyl	*0.0669*		mg/L	0.100		66.9	50-150			

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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 B181054 - SW-846 7470A Prep										
Blank (B181054-BLK1)				Prepared: 07/07/17 Analyzed: 07/10/17						
Mercury	ND	0.00010	mg/L							
LCS (B181054-BS1)				Prepared: 07/07/17 Analyzed: 07/10/17						
Mercury	0.00177	0.00010	mg/L	0.00200		88.6	80-120			
LCS Dup (B181054-BSD1)				Prepared: 07/07/17 Analyzed: 07/10/17						
Mercury	0.00161	0.00010	mg/L	0.00200		80.7	80-120	9.29	20	
Batch B181214 - SW-846 3005A										
Blank (B181214-BLK1)				Prepared: 07/10/17 Analyzed: 07/12/17						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B181214-BS1)				Prepared: 07/10/17 Analyzed: 07/12/17						
Arsenic	271	2.0	µg/L	250		108	80-120			
Barium	254	50	µg/L	250		101	80-120			
Cadmium	275	2.5	µg/L	250		110	80-120			
Chromium	253	5.0	µg/L	250		101	80-120			
Lead	266	5.0	µg/L	250		106	80-120			
Selenium	275	25	µg/L	250		110	80-120			
Silver	276	2.5	µg/L	250		110	80-120			
LCS Dup (B181214-BSD1)				Prepared: 07/10/17 Analyzed: 07/12/17						
Arsenic	269	2.0	µg/L	250		108	80-120	0.476	20	
Barium	253	50	µg/L	250		101	80-120	0.398	20	
Cadmium	273	2.5	µg/L	250		109	80-120	0.785	20	
Chromium	251	5.0	µg/L	250		100	80-120	0.819	20	
Lead	264	5.0	µg/L	250		106	80-120	0.664	20	
Selenium	278	25	µg/L	250		111	80-120	0.873	20	
Silver	275	2.5	µg/L	250		110	80-120	0.483	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-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.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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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	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,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
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

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con-test® ANALYTICAL LABORATORY
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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME

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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	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

17G0098

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 02274021; Rel. #6
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Eversource Energy - Paul Boison
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☑ 5-7 Bus. Days

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	CT-ETPH	Total 8 RCRA metals	# of Containers	[2] Preservation Code	[3] Container Code
								3	2	1			
								V	A	P			
1	MW-2A	7/5/17	1010		X	GW	U		X				
2	MW-CCA-2		1045						X				
3	MW-16		1130						X				
4	MW-15		1200						X				
5	MW-CCA-1	↓	1315		↓	↓	↓	X	X	X			
6	TRIP BLANK							X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: (1) Please bill Eversource Energy directly.

(2) Please send copy of results to Paul Boison (Paul.Boison@eversource.com) at Eversource Energy.

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

Relinquished by: (signature)	Date/Time: 7/5/17
Received by: (signature)	Date/Time: 7/5/17 1500
Relinquished by: (signature)	Date/Time: 7/5/17 345
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time: 7/5/17
Received by: (signature) 4.9 Antonio Fontes	Date/Time: 1545

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client: Weston & Sampson

Received By: AC. Date: 02/5/17 Time: 1545

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

Were samples within Temperature? 2-6°C: T By Gun #: 1 Actual Temp - 4.9 By Blank #: ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? F

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

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

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

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

Are Sample labels filled out and legible? T

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

Are there Rushes? F N/A Who was notified? N/A

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

Is there enough Volume? T

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

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid: T Base: ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-	5	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	1	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

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D:\HPCHEM\1\DATA\A071217\A0712006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	7/12/17
Data File Name	A0712006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.08	460300	518364	-11
c - 10	1.43	463156	518364	-11
c - 12	2.17	489484	518364	-6
c - 14	2.84	509612	518364	-2
c - 16	3.44	526952	518364	2
c - 18	4.02	526288	518364	2
o-Terphenyl	4.30	606043	518364	
c - 20	4.64	539690	518364	4
c - 22	5.15	550876	518364	6
c - 24	5.60	517957	518364	0
c - 26	6.00	549138	518364	6
c - 28	6.36	545780	518364	5
c - 30	6.69	540782	518364	4
c - 32	7.00	524096	518364	1
c - 34	7.30	519177	518364	0
c - 36	7.58	512175	518364	-1

* One compound allowed %D </= 50%

Samples

17G0098-01
17G0098-02
17G0098-03
17G0098-04
17G0098-05

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury AWC

Project Number: 17G0098

Laboratory Sample ID(s):
17G0098-01 thru 17G0098-06

Sample Date(s):
07/05/2017

List RCP Methods Used:
CTDEP ETPH, SW-846 6020A-B, SW-846 7470A, SW-846 7471B, SW-846 8260C

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

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

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

Authorized Signature: Tod Kopyscinski **Position:** Laboratory Director

Printed Name: Tod E. Kopyscinski **Date:** 07/12/17

Name of Laboratory: Con-Test Analytical Laboratory

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