Electronic Transmittal Form for DEEP Remediation and LUST Secure File Transfer (SFT)

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
www.ct.gov/deep

This Electronic Transmittal Form is to be used when submitting a document to the Connecticut SFT website. This form must be completed and included as the cover sheet of your electronic document.

Requirements for Transmittals through the SFT website:

- Only document types identified in Part III below may be submitted through the SFT website.
- Documents submitted through the SFT website must include all applicable figures, tables and laboratory data.
- Files must be formatted as PDF/A and use the appropriate naming convention:
  - For Remediation Filings: **REM_RemID_DocumentType_DateofDocument**
    Example: REM_1234_MonitoringReport_01-01-2001
  - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
    Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
    Note: For AbbreviationForDocumentType" use appropriate abbreviation on page 2 of this form

Part I: Program Type (Select either Remediation or LUST as your Primary Program Type)

☒ Remediation	☐ LUST
Primary Program: Voluntary Remediation Program	UST Facility ID: (if applicable)
*Rem ID: CTD981205263 (required)	Spill Case Number: (if known)

Part II: Site Information

Site Name: Simsbury Area Work Center
Site Address: 34 Hopmeadow Street
City/Town: Simsbury State: CT Zip Code: 06089

Secondary Programs (complete as many as applicable for this document):

Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:

Provide Project ID for each secondary program if it is known.
Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, PCB File #, etc.)

Part III: Document Information

Remediation - Monitoring Report
Date of Document: 5/3/2018

Part IV: Submitter Information

Name: Drew Blicharz **E-mail: drew.blicharz@eversource.com

**By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject document. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

Name of company/business this document is being submitted on behalf of: Eversource dba CL&P

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street
Berlin, CT 06037

May 3, 2018

Mr. Maurice Hamel
Bureau of Waste Management
Department of Energy and 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
34 Hopmeadow Street, Simsbury
Groundwater Report – 1st Quarter 2018

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 and other more recent recommendations, samples were obtained from fifteen (15) monitor wells including MW-AIR-1, MW-CCA2, MW-CCA3, MW-CCA4, MW-CCA5, MW-TRW-1, MW-T3, MW-2A, MW-15, MW-16, MW-200, MW-201, MW-202, MW-203, and MW-310, and analyzed for various parameters.

As indicated in the enclosed laboratory analytical data report, sample results were below the Remediation Standard Regulation GA Groundwater Protection Criteria, Surface Water Protection Criteria, and Groundwater Volatilization Criteria except for ETPH in MW-2A (380 ug/L), MW-TRW1 (1,200 ug/L), MW-T3 (4,700 ug/L), MW-202 (300 ug/L), and MW-310 (4,200 ug/L).

If you have any questions regarding this submittal, please call me at (860) 665-5751 or email me at drew.blicharz@eversource.com.

Very truly yours,

Eversource Energy

Drew Blicharz

Drew Blicharz
Environmental Specialist

Enclosure

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

April 4, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18C1119

Enclosed are results of analyses for samples received by the laboratory on March 28, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
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: Laura Yellen

REPORT DATE: 4/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1119

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-16	18C1119-01	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA2	18C1119-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-CCA3	18C1119-03	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA4	18C1119-04	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-310	18C1119-05	Ground Water		CTDEP ETPH	
MW-202	18C1119-06	Ground Water		CTDEP ETPH	
MW-203	18C1119-07	Ground Water		CTDEP ETPH	
				SW-846 8082A	
MW-201	18C1119-08	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-2A	18C1119-09	Ground Water		CTDEP ETPH	
				SW-846 8260C	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1119

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Dup-1	18C1119-10	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	

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CASE NARRATIVE SUMMARY

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

For method 6020, only a select list of metals was reqested and reported.

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CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH
B199754-BSD1

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:

2,2-Dichloropropane
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
Naphthalene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
trans-1,4-Dichloro-2-butene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
Naphthalene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1
trans-1,4-Dichloro-2-butene
18C1119-01[MW-16], 18C1119-02[MW-CCA2], 18C1119-04[MW-CCA4], 18C1119-08[MW-201], 18C1119-09[MW-2A], 18C1119-10[Dup-1], B199871-BLK1, B199871-BS1

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
B199871-BS1

Dichlorodifluoromethane (Freon 1
B199871-BS1

SW-846 8270D

Qualifications:

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1]

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V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-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:

2,4-Dinitrophenol

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-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:

3-Nitroaniline

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

4-Chloroaniline

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

Aniline

18C1119-01[MW-16], 18C1119-03[MW-CCA3], 18C1119-04[MW-CCA4], 18C1119-10[Dup-1], B199662-BLK1, B199662-BS1, B199662-BSD1

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

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

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

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: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

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	3/30/18	3/31/18 11:10	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

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	3/30/18	3/31/18 11:10	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:10	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:10	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.2	70-130		3/31/18 11:10
Toluene-d8	98.2	70-130		3/31/18 11:10
4-Bromofluorobenzene	94.1	70-130		3/31/18 11:10

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

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	0.30	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(b)fluoranthene (SIM)	0.098	0.051	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

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	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
3-Nitroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:15	CJM
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.3	15-110		3/31/18 15:23
2-Fluorophenol	50.6	15-110		3/31/18 9:15
Phenol-d6	39.0	15-110		3/31/18 9:15
Phenol-d6	31.9	15-110		3/31/18 15:23
Nitrobenzene-d5	82.0	30-130		3/31/18 9:15
Nitrobenzene-d5	72.8	30-130		3/31/18 15:23
2-Fluorobiphenyl	75.4	30-130		3/31/18 9:15
2-Fluorobiphenyl	73.7	30-130		3/31/18 15:23
2,4,6-Tribromophenol	85.4	15-110		3/31/18 9:15
2,4,6-Tribromophenol	72.6	15-110		3/31/18 15:23
p-Terphenyl-d14	68.4	30-130		3/31/18 9:15
p-Terphenyl-d14	90.4	30-130		3/31/18 15:23

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

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	3/29/18	3/30/18 18:14	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 18:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.7	30-150		3/30/18 18:14
Decachlorobiphenyl [2]	73.4	30-150		3/30/18 18:14
Tetrachloro-m-xylene [1]	68.8	30-150		3/30/18 18:14
Tetrachloro-m-xylene [2]	73.4	30-150		3/30/18 18:14

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.083	mg/L	1		CTDEP ETPH	3/28/18	3/29/18 23:21	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	85.6	50-150				3/29/18 23:21	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

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	3/30/18	4/3/18 7:49	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 8:46	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:30	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:49	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-16 | Sampled: 3/28/2018 10:00

Sample ID: 18C1119-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

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	3/30/18	3/31/18 11:40	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

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	3/30/18	3/31/18 11:40	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 11:40	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 11:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.7	70-130		3/31/18 11:40
Toluene-d8	98.4	70-130		3/31/18 11:40
4-Bromofluorobenzene	93.2	70-130		3/31/18 11:40

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

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	3/29/18	3/30/18 15:23	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:23	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		3/30/18 15:23
Decachlorobiphenyl [2]	78.0	30-150		3/30/18 15:23
Tetrachloro-m-xylene [1]	81.0	30-150		3/30/18 15:23
Tetrachloro-m-xylene [2]	81.6	30-150		3/30/18 15:23

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA2 | Sampled: 3/28/2018 12:10

Sample ID: 18C1119-02

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	3/28/18	3/29/18 20:23	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	79.2	50-150				3/29/18 20:23	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

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	3/28/18	3/31/18 9:44	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Aniline	ND	4.8	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Chloroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
3,3-Dichlorobenzidine	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Hexachlorocyclopentadiene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

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	3/28/18	3/31/18 15:49	BGL
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
3-Nitroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Pentachlorophenol (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
4-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
N-Nitrosodiphenylamine	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Pentachloronitrobenzene	ND	9.6	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Phenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	3/28/18	3/31/18 9:44	CJM
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	3/28/18	3/31/18 15:49	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.3	15-110		3/31/18 9:44
2-Fluorophenol	39.0	15-110		3/31/18 15:49
Phenol-d6	30.9	15-110		3/31/18 9:44
Phenol-d6	25.5	15-110		3/31/18 15:49
Nitrobenzene-d5	76.9	30-130		3/31/18 9:44
Nitrobenzene-d5	61.1	30-130		3/31/18 15:49
2-Fluorobiphenyl	70.1	30-130		3/31/18 9:44
2-Fluorobiphenyl	62.2	30-130		3/31/18 15:49
2,4,6-Tribromophenol	85.0	15-110		3/31/18 9:44
2,4,6-Tribromophenol	61.9	15-110		3/31/18 15:49
p-Terphenyl-d14	76.9	30-130		3/31/18 15:49
p-Terphenyl-d14	64.5	30-130		3/31/18 9:44

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

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	3/28/18	3/29/18 20:41	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	92.9	50-150				3/29/18 20:41	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

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	3/30/18	4/3/18 7:52	MJH
Barium	130	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 8:46	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:31	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:52	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA3 | Sampled: 3/28/2018 09:35

Sample ID: 18C1119-03

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

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	3/30/18	3/31/18 12:11	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

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	3/30/18	3/31/18 12:11	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:11	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:11	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.1	70-130		3/31/18 12:11
Toluene-d8	98.2	70-130		3/31/18 12:11
4-Bromofluorobenzene	94.0	70-130		3/31/18 12:11

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

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	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

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	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
3-Nitroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Pentachlorophenol (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:12	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.1	15-110		3/31/18 16:14
2-Fluorophenol	44.9	15-110		3/31/18 10:12
Phenol-d6	27.3	15-110		3/31/18 16:14
Phenol-d6	34.4	15-110		3/31/18 10:12
Nitrobenzene-d5	65.7	30-130		3/31/18 16:14
Nitrobenzene-d5	81.9	30-130		3/31/18 10:12
2-Fluorobiphenyl	67.4	30-130		3/31/18 16:14
2-Fluorobiphenyl	76.5	30-130		3/31/18 10:12
2,4,6-Tribromophenol	68.6	15-110		3/31/18 16:14
2,4,6-Tribromophenol	95.7	15-110		3/31/18 10:12
p-Terphenyl-d14	83.1	30-130		3/31/18 16:14
p-Terphenyl-d14	69.9	30-130		3/31/18 10:12

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

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	3/29/18	3/30/18 15:36	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	44.0	30-150		3/30/18 15:36
Decachlorobiphenyl [2]	42.0	30-150		3/30/18 15:36
Tetrachloro-m-xylene [1]	75.7	30-150		3/30/18 15:36
Tetrachloro-m-xylene [2]	76.5	30-150		3/30/18 15:36

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

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	3/28/18	3/29/18 23:39	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	91.8	50-150		3/29/18 23:39

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

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	3/30/18	4/3/18 7:56	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 8:46	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:33	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 7:56	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-CCA4 | Sampled: 3/28/2018 11:38

Sample ID: 18C1119-04

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-310 | Sampled: 3/28/2018 12:55

Sample ID: 18C1119-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.2	0.38	mg/L	5		CTDEP ETPH	3/28/18	3/30/18 18:38	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	86.7	50-150				3/30/18 18:38	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-202 | Sampled: 3/28/2018 13:45

Sample ID: 18C1119-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.30	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 1:09	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	84.6	50-150				3/30/18 1:09	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-203 | Sampled: 3/28/2018 14:20

Sample ID: 18C1119-07

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	3/29/18	3/30/18 15:48	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 15:48	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	39.9	30-150		3/30/18 15:48
Decachlorobiphenyl [2]	38.3	30-150		3/30/18 15:48
Tetrachloro-m-xylene [1]	76.7	30-150		3/30/18 15:48
Tetrachloro-m-xylene [2]	77.9	30-150		3/30/18 15:48

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-203 | Sampled: 3/28/2018 14:20

Sample ID: 18C1119-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.22	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 1:27	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	81.3	50-150				3/30/18 1:27	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

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	3/30/18	3/31/18 12:42	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

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	3/30/18	3/31/18 12:42	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 12:42	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 12:42	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.2	70-130		3/31/18 12:42
Toluene-d8	96.2	70-130		3/31/18 12:42
4-Bromofluorobenzene	93.0	70-130		3/31/18 12:42

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

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	3/29/18	3/30/18 16:01	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:01	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.6	30-150		3/30/18 16:01
Decachlorobiphenyl [2]	67.4	30-150		3/30/18 16:01
Tetrachloro-m-xylene [1]	79.7	30-150		3/30/18 16:01
Tetrachloro-m-xylene [2]	81.1	30-150		3/30/18 16:01

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-201 | Sampled: 3/28/2018 14:45

Sample ID: 18C1119-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.21	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/29/18 23:57	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	77.7	50-150				3/29/18 23:57	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-2A | Sampled: 3/28/2018 15:28

Sample ID: 18C1119-09

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	3/30/18	3/31/18 13:13	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-2A | Sampled: 3/28/2018 15:28

Sample ID: 18C1119-09

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	3/30/18	3/31/18 13:13	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:13	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.0	70-130		3/31/18 13:13
Toluene-d8	96.2	70-130		3/31/18 13:13
4-Bromofluorobenzene	93.0	70-130		3/31/18 13:13

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: MW-2A | Sampled: 3/28/2018 15:28

Sample ID: 18C1119-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.38	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 3:15	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	104	50-150				3/30/18 3:15	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

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	3/30/18	3/31/18 13:44	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

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	3/30/18	3/31/18 13:44	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Naphthalene	ND	2.0	µg/L	1	V-05, L-03	SW-846 8260C	3/30/18	3/31/18 13:44	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/30/18	3/31/18 13:44	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.6	70-130		3/31/18 13:44
Toluene-d8	98.9	70-130		3/31/18 13:44
4-Bromofluorobenzene	93.9	70-130		3/31/18 13:44

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

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	3/28/18	3/31/18 10:41	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Carbazole	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-05, V-19	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Di-n-octylphthalate	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Isophorone	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

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	3/28/18	3/31/18 16:39	BGL
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
3-Nitroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Pentachlorophenol (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
N-Nitrosodiphenylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-16	SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Phenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D	3/28/18	3/31/18 10:41	CJM
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D	3/28/18	3/31/18 16:39	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.6	15-110		3/31/18 10:41
2-Fluorophenol	38.0	15-110		3/31/18 16:39
Phenol-d6	25.1	15-110		3/31/18 16:39
Phenol-d6	31.4	15-110		3/31/18 10:41
Nitrobenzene-d5	59.4	30-130		3/31/18 16:39
Nitrobenzene-d5	73.3	30-130		3/31/18 10:41
2-Fluorobiphenyl	61.0	30-130		3/31/18 16:39
2-Fluorobiphenyl	67.0	30-130		3/31/18 10:41
2,4,6-Tribromophenol	59.6	15-110		3/31/18 16:39
2,4,6-Tribromophenol	81.6	15-110		3/31/18 10:41
p-Terphenyl-d14	74.6	30-130		3/31/18 16:39
p-Terphenyl-d14	60.0	30-130		3/31/18 10:41

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

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	3/29/18	3/30/18 16:14	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	3/29/18	3/30/18 16:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.3	30-150		3/30/18 16:14
Decachlorobiphenyl [2]	73.4	30-150		3/30/18 16:14
Tetrachloro-m-xylene [1]	79.2	30-150		3/30/18 16:14
Tetrachloro-m-xylene [2]	80.9	30-150		3/30/18 16:14

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.078	0.075	mg/L	1		CTDEP ETPH	3/28/18	3/30/18 18:18	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	80.2	50-150				3/30/18 18:18	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

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	3/30/18	4/3/18 11:08	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	3/30/18	4/3/18 11:08	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/30/18	4/2/18 10:39	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/30/18	4/3/18 11:08	WSD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1119

Date Received: 3/28/2018

Field Sample #: Dup-1 | Sampled: 3/28/2018 00:00

Sample ID: 18C1119-10

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	3/28/18	3/28/18 21:35	LED

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

Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199754	900	1.00	03/28/18
18C1119-02 [MW-CCA2]	B199754	1000	1.00	03/28/18
18C1119-03 [MW-CCA3]	B199754	1000	1.00	03/28/18
18C1119-04 [MW-CCA4]	B199754	1000	1.00	03/28/18
18C1119-05 [MW-310]	B199754	1000	1.00	03/28/18
18C1119-06 [MW-202]	B199754	1000	1.00	03/28/18
18C1119-07 [MW-203]	B199754	1000	1.00	03/28/18
18C1119-08 [MW-201]	B199754	1000	1.00	03/28/18
18C1119-09 [MW-2A]	B199754	1000	1.00	03/28/18
18C1119-10 [Dup-1]	B199754	1000	1.00	03/28/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199875	50.0	50.0	03/30/18
18C1119-03 [MW-CCA3]	B199875	50.0	50.0	03/30/18
18C1119-04 [MW-CCA4]	B199875	50.0	50.0	03/30/18
18C1119-10 [Dup-1]	B199875	50.0	50.0	03/30/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199759	50.0	50.0	03/28/18
18C1119-03 [MW-CCA3]	B199759	50.0	50.0	03/28/18
18C1119-04 [MW-CCA4]	B199759	50.0	50.0	03/28/18
18C1119-10 [Dup-1]	B199759	50.0	50.0	03/28/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199898	6.00	6.00	03/30/18
18C1119-03 [MW-CCA3]	B199898	6.00	6.00	03/30/18
18C1119-04 [MW-CCA4]	B199898	6.00	6.00	03/30/18
18C1119-10 [Dup-1]	B199898	6.00	6.00	03/30/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199802	1000	10.0	03/29/18
18C1119-02 [MW-CCA2]	B199802	1000	10.0	03/29/18
18C1119-04 [MW-CCA4]	B199802	1000	10.0	03/29/18
18C1119-07 [MW-203]	B199802	1000	10.0	03/29/18
18C1119-08 [MW-201]	B199802	1000	10.0	03/29/18
18C1119-10 [Dup-1]	B199802	1000	10.0	03/29/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199871	5	5.00	03/30/18

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-02 [MW-CCA2]	B199871	5	5.00	03/30/18
18C1119-04 [MW-CCA4]	B199871	5	5.00	03/30/18
18C1119-08 [MW-201]	B199871	5	5.00	03/30/18
18C1119-09 [MW-2A]	B199871	5	5.00	03/30/18
18C1119-10 [Dup-1]	B199871	5	5.00	03/30/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199662	990	1.00	03/28/18
18C1119-03 [MW-CCA3]	B199662	1040	1.00	03/28/18
18C1119-04 [MW-CCA4]	B199662	1030	1.00	03/28/18
18C1119-10 [Dup-1]	B199662	1030	1.00	03/28/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1119-01 [MW-16]	B199819	990	1.00	03/28/18
18C1119-03 [MW-CCA3]	B199819	1040	1.00	03/28/18
18C1119-04 [MW-CCA4]	B199819	1030	1.00	03/28/18
18C1119-10 [Dup-1]	B199819	1030	1.00	03/28/18

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Date
18C1119-01 [MW-16]	B199876	1.00	03/30/18
18C1119-03 [MW-CCA3]	B199876	1.00	03/30/18
18C1119-04 [MW-CCA4]	B199876	1.00	03/30/18
18C1119-10 [Dup-1]	B199876	1.00	03/30/18

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 B199871 - SW-846 5030B										
Blank (B199871-BLK1)				Prepared: 03/30/18 Analyzed: 03/31/18						
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	2.0	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	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	5.0	µg/L							L-03, V-05
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							L-03, V-05
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	1.0	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							L-03, V-05
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 B199871 - SW-846 5030B											
Blank (B199871-BLK1)				Prepared: 03/30/18 Analyzed: 03/31/18							
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	2.0	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								
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.8		70-130			
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.8		70-130			
Surrogate: 4-Bromofluorobenzene	*23.6*		µg/L	25.0		94.5		70-130			
LCS (B199871-BS1)				Prepared: 03/30/18 Analyzed: 03/31/18							
Acetone	91.3	10	µg/L	100		91.3		70-130			
Acrylonitrile	10.1	2.0	µg/L	10.0		101		70-130			
Benzene	9.40	0.50	µg/L	10.0		94.0		70-130			
Bromobenzene	9.49	0.50	µg/L	10.0		94.9		70-130			
Bromodichloromethane	9.17	0.50	µg/L	10.0		91.7		70-130			
Bromoform	7.94	2.0	µg/L	10.0		79.4		70-130			
Bromomethane	8.42	1.0	µg/L	10.0		84.2		70-130			V-34
2-Butanone (MEK)	97.8	5.0	µg/L	100		97.8		70-130			
n-Butylbenzene	9.23	1.0	µg/L	10.0		92.3		70-130			
sec-Butylbenzene	9.28	1.0	µg/L	10.0		92.8		70-130			
tert-Butylbenzene	9.60	1.0	µg/L	10.0		96.0		70-130			
Carbon Disulfide	93.2	5.0	µg/L	100		93.2		70-130			
Carbon Tetrachloride	9.08	0.50	µg/L	10.0		90.8		70-130			
Chlorobenzene	9.61	0.50	µg/L	10.0		96.1		70-130			
Chlorodibromomethane	8.99	0.50	µg/L	10.0		89.9		70-130			
Chloroethane	10.2	0.50	µg/L	10.0		102		70-130			
Chloroform	8.88	0.50	µg/L	10.0		88.8		70-130			
Chloromethane	10.0	0.60	µg/L	10.0		100		70-130			
2-Chlorotoluene	9.62	0.50	µg/L	10.0		96.2		70-130			
4-Chlorotoluene	9.73	0.50	µg/L	10.0		97.3		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.74	2.0	µg/L	10.0		77.4		70-130			
1,2-Dibromoethane (EDB)	9.84	0.50	µg/L	10.0		98.4		70-130			
Dibromomethane	9.39	0.50	µg/L	10.0		93.9		70-130			
1,2-Dichlorobenzene	9.82	0.50	µg/L	10.0		98.2		70-130			
1,3-Dichlorobenzene	9.80	0.50	µg/L	10.0		98.0		70-130			
1,4-Dichlorobenzene	9.59	0.50	µg/L	10.0		95.9		70-130			
trans-1,4-Dichloro-2-butene	6.74	5.0	µg/L	10.0		**67.4**	*	70-130			L-03, V-05
Dichlorodifluoromethane (Freon 12)	9.44	0.50	µg/L	10.0		94.4		70-130			V-34
1,1-Dichloroethane	9.73	0.50	µg/L	10.0		97.3		70-130			
1,2-Dichloroethane	9.26	0.50	µg/L	10.0		92.6		70-130			
1,1-Dichloroethylene	9.38	0.50	µg/L	10.0		93.8		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B199871 - SW-846 5030B											
LCS (B199871-BS1)				Prepared: 03/30/18 Analyzed: 03/31/18							
cis-1,2-Dichloroethylene	9.15	0.50	µg/L	10.0		91.5		70-130			
trans-1,2-Dichloroethylene	9.84	1.0	µg/L	10.0		98.4		70-130			
1,2-Dichloropropane	10.2	0.50	µg/L	10.0		102		70-130			
1,3-Dichloropropane	10.0	0.50	µg/L	10.0		100		70-130			
2,2-Dichloropropane	6.14	0.50	µg/L	10.0		**61.4**	*	70-130			L-03, V-05
1,1-Dichloropropene	9.63	0.50	µg/L	10.0		96.3		70-130			
cis-1,3-Dichloropropene	9.19	0.50	µg/L	10.0		91.9		70-130			
trans-1,3-Dichloropropene	8.56	1.0	µg/L	10.0		85.6		70-130			
Ethylbenzene	9.86	0.50	µg/L	10.0		98.6		70-130			
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104		70-130			
2-Hexanone (MBK)	103	5.0	µg/L	100		103		70-130			
Isopropylbenzene (Cumene)	9.55	0.50	µg/L	10.0		95.5		70-130			
p-Isopropyltoluene (p-Cymene)	9.38	0.50	µg/L	10.0		93.8		70-130			
Methyl tert-Butyl Ether (MTBE)	8.86	0.50	µg/L	10.0		88.6		70-130			
Methylene Chloride	9.52	5.0	µg/L	10.0		95.2		70-130			
4-Methyl-2-pentanone (MIBK)	104	5.0	µg/L	100		104		70-130			
Naphthalene	6.82	2.0	µg/L	10.0		**68.2**	*	70-130			L-03, V-05
n-Propylbenzene	9.33	1.0	µg/L	10.0		93.3		70-130			
Styrene	10.0	1.0	µg/L	10.0		100		70-130			
1,1,1,2-Tetrachloroethane	9.60	0.50	µg/L	10.0		96.0		70-130			
1,1,2,2-Tetrachloroethane	9.58	0.50	µg/L	10.0		95.8		70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103		70-130			
Tetrahydrofuran	9.92	10	µg/L	10.0		99.2		70-130			
Toluene	10.0	1.0	µg/L	10.0		100		70-130			
1,2,3-Trichlorobenzene	8.15	2.0	µg/L	10.0		81.5		70-130			
1,2,4-Trichlorobenzene	8.36	2.0	µg/L	10.0		83.6		70-130			
1,1,1-Trichloroethane	9.17	0.50	µg/L	10.0		91.7		70-130			
1,1,2-Trichloroethane	9.99	0.50	µg/L	10.0		99.9		70-130			
Trichloroethylene	9.74	1.0	µg/L	10.0		97.4		70-130			
Trichlorofluoromethane (Freon 11)	9.02	2.0	µg/L	10.0		90.2		70-130			
1,2,3-Trichloropropane	9.24	1.0	µg/L	10.0		92.4		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.31	0.50	µg/L	10.0		93.1		70-130			
1,2,4-Trimethylbenzene	9.79	0.50	µg/L	10.0		97.9		70-130			
1,3,5-Trimethylbenzene	9.64	0.50	µg/L	10.0		96.4		70-130			
Vinyl Chloride	10.2	1.0	µg/L	10.0		102		70-130			
m+p Xylene	19.5	2.0	µg/L	20.0		97.4		70-130			
o-Xylene	9.74	1.0	µg/L	10.0		97.4		70-130			
Surrogate: 1,2-Dichloroethane-d4	*21.5*		µg/L	25.0		86.0		70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8		70-130			
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.1		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199662 - SW-846 3510C										
Blank (B199662-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18						
Aniline	ND	5.0	µg/L							V-34
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	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							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							V-19
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							V-34
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
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*84.4*		µg/L	200		42.2	15-110			
Surrogate: Phenol-d6	*55.8*		µg/L	200		27.9	15-110			
Surrogate: Nitrobenzene-d5	*73.2*		µg/L	100		73.2	30-130			
Surrogate: 2-Fluorobiphenyl	*75.4*		µg/L	100		75.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*152*		µg/L	200		76.2	15-110			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199662 - SW-846 3510C											
Blank (B199662-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Surrogate: p-Terphenyl-d14	*93.6*		µg/L	100		93.6	30-130				
LCS (B199662-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Aniline	39.8	5.0	µg/L	50.0		79.7	40-140			V-34	†
Bis(2-chloroethoxy)methane	47.0	10	µg/L	50.0		94.0	40-140				
Bis(2-chloroethyl)ether	41.3	10	µg/L	50.0		82.5	40-140				
Bis(2-chloroisopropyl)ether	43.2	10	µg/L	50.0		86.4	40-140				
Bis(2-Ethylhexyl)phthalate	42.7	10	µg/L	50.0		85.5	40-140				
4-Bromophenylphenylether	42.3	10	µg/L	50.0		84.7	40-140				
Butylbenzylphthalate	44.4	10	µg/L	50.0		88.9	40-140				
Carbazole	42.0	10	µg/L	50.0		84.0	40-140				
4-Chloroaniline	41.6	10	µg/L	50.0		83.2	40-140			V-34	†
4-Chloro-3-methylphenol	41.9	10	µg/L	50.0		83.8	30-130				
2-Chloronaphthalene	35.7	10	µg/L	50.0		71.3	40-140				
2-Chlorophenol	37.1	10	µg/L	50.0		74.1	30-130				
4-Chlorophenylphenylether	42.4	10	µg/L	50.0		84.9	40-140				
Dibenzofuran	42.8	5.0	µg/L	50.0		85.5	40-140				
Di-n-butylphthalate	42.0	10	µg/L	50.0		84.0	40-140				
3,3-Dichlorobenzidine	46.9	10	µg/L	50.0		93.8	40-140				†
2,4-Dichlorophenol	40.2	10	µg/L	50.0		80.5	30-130				
Diethylphthalate	42.1	10	µg/L	50.0		84.2	40-140				
2,4-Dimethylphenol	41.3	10	µg/L	50.0		82.7	30-130				
Dimethylphthalate	42.9	10	µg/L	50.0		85.7	40-140				
4,6-Dinitro-2-methylphenol	35.6	10	µg/L	50.0		71.2	30-130				
2,4-Dinitrophenol	34.1	10	µg/L	50.0		68.2	30-130			V-19	
2,4-Dinitrotoluene	41.1	10	µg/L	50.0		82.1	40-140				
2,6-Dinitrotoluene	42.7	10	µg/L	50.0		85.3	40-140				
Di-n-octylphthalate	38.6	10	µg/L	50.0		77.2	40-140				
Hexachlorobenzene	41.3	10	µg/L	50.0		82.6	40-140				
Hexachlorobutadiene	37.9	10	µg/L	50.0		75.7	40-140				
Hexachlorocyclopentadiene	34.8	10	µg/L	50.0		69.7	30-140				
Hexachloroethane	35.8	10	µg/L	50.0		71.6	40-140				
Isophorone	43.2	10	µg/L	50.0		86.5	40-140				
2-Methylphenol	32.2	10	µg/L	50.0		64.4	30-130				
3/4-Methylphenol	34.0	10	µg/L	50.0		67.9	30-130				
2-Nitroaniline	41.9	10	µg/L	50.0		83.9	40-140				
3-Nitroaniline	44.1	10	µg/L	50.0		88.3	40-140			V-34	†
4-Nitroaniline	44.0	10	µg/L	50.0		87.9	40-140				
Nitrobenzene	38.4	10	µg/L	50.0		76.7	40-140				
2-Nitrophenol	38.8	10	µg/L	50.0		77.6	30-130				
4-Nitrophenol	20.8	10	µg/L	50.0		41.7	10-130				
N-Nitrosodiphenylamine	52.0	10	µg/L	50.0		104	40-140				
N-Nitrosodi-n-propylamine	40.8	10	µg/L	50.0		81.6	40-140				
Pentachloronitrobenzene	41.3	10	µg/L	50.0		82.6	40-140			V-16	
Phenol	17.4	10	µg/L	50.0		34.8	20-130				
Pyridine	17.0	5.0	µg/L	50.0		34.0	10-140				†
1,2,4,5-Tetrachlorobenzene	41.1	10	µg/L	50.0		82.2	40-140				
1,2,4-Trichlorobenzene	37.5	5.0	µg/L	50.0		75.0	40-140				
2,4,5-Trichlorophenol	41.0	10	µg/L	50.0		81.9	30-130				
2,4,6-Trichlorophenol	40.2	10	µg/L	50.0		80.3	30-130				
Surrogate: 2-Fluorophenol	*103*		µg/L	200		51.7	15-110				
Surrogate: Phenol-d6	*71.2*		µg/L	200		35.6	15-110				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199662 - SW-846 3510C											
LCS (B199662-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Surrogate: Nitrobenzene-d5	*83.5*		µg/L	100		83.5	30-130				
Surrogate: 2-Fluorobiphenyl	*88.4*		µg/L	100		88.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*181*		µg/L	200		90.4	15-110				
Surrogate: p-Terphenyl-d14	*98.5*		µg/L	100		98.5	30-130				
LCS Dup (B199662-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18							
Aniline	36.5	5.0	µg/L	50.0		73.0	40-140	8.73	50	V-34	† ‡
Bis(2-chloroethoxy)methane	45.2	10	µg/L	50.0		90.5	40-140	3.82	20		
Bis(2-chloroethyl)ether	38.2	10	µg/L	50.0		76.3	40-140	7.86	20		
Bis(2-chloroisopropyl)ether	41.3	10	µg/L	50.0		82.7	40-140	4.47	20		
Bis(2-Ethylhexyl)phthalate	41.4	10	µg/L	50.0		82.7	40-140	3.28	20		
4-Bromophenylphenylether	40.5	10	µg/L	50.0		80.9	40-140	4.49	20		
Butylbenzylphthalate	43.3	10	µg/L	50.0		86.6	40-140	2.55	20		
Carbazole	40.7	10	µg/L	50.0		81.4	40-140	3.19	20		
4-Chloroaniline	39.9	10	µg/L	50.0		79.7	40-140	4.32	20	V-34	†
4-Chloro-3-methylphenol	40.4	10	µg/L	50.0		80.9	30-130	3.57	20		
2-Chloronaphthalene	35.1	10	µg/L	50.0		70.2	40-140	1.61	20		
2-Chlorophenol	34.2	10	µg/L	50.0		68.4	30-130	8.00	20		
4-Chlorophenylphenylether	41.4	10	µg/L	50.0		82.8	40-140	2.46	20		
Dibenzofuran	41.3	5.0	µg/L	50.0		82.6	40-140	3.52	20		
Di-n-butylphthalate	40.4	10	µg/L	50.0		80.9	40-140	3.76	20		
3,3-Dichlorobenzidine	45.4	10	µg/L	50.0		90.8	40-140	3.21	20		† ‡
2,4-Dichlorophenol	39.2	10	µg/L	50.0		78.4	30-130	2.64	20		
Diethylphthalate	41.3	10	µg/L	50.0		82.7	40-140	1.82	20		
2,4-Dimethylphenol	40.0	10	µg/L	50.0		80.0	30-130	3.27	20		
Dimethylphthalate	42.2	10	µg/L	50.0		84.4	40-140	1.60	50		
4,6-Dinitro-2-methylphenol	35.1	10	µg/L	50.0		70.1	30-130	1.56	50		
2,4-Dinitrophenol	34.4	10	µg/L	50.0		68.9	30-130	0.992	50	V-19	
2,4-Dinitrotoluene	40.4	10	µg/L	50.0		80.9	40-140	1.55	20		
2,6-Dinitrotoluene	42.9	10	µg/L	50.0		85.8	40-140	0.561	20		
Di-n-octylphthalate	37.7	10	µg/L	50.0		75.4	40-140	2.44	20		
Hexachlorobenzene	40.7	10	µg/L	50.0		81.4	40-140	1.37	20		
Hexachlorobutadiene	35.9	10	µg/L	50.0		71.7	40-140	5.40	20		
Hexachlorocyclopentadiene	34.2	10	µg/L	50.0		68.4	30-140	1.82	50		
Hexachloroethane	34.2	10	µg/L	50.0		68.4	40-140	4.63	50		
Isophorone	42.1	10	µg/L	50.0		84.2	40-140	2.65	20		
2-Methylphenol	29.6	10	µg/L	50.0		59.1	30-130	8.48	20		
3/4-Methylphenol	32.2	10	µg/L	50.0		64.4	30-130	5.29	20		
2-Nitroaniline	40.9	10	µg/L	50.0		81.9	40-140	2.39	20		
3-Nitroaniline	42.1	10	µg/L	50.0		84.3	40-140	4.66	20	V-34	†
4-Nitroaniline	42.0	10	µg/L	50.0		84.1	40-140	4.49	20		
Nitrobenzene	36.8	10	µg/L	50.0		73.7	40-140	3.99	20		
2-Nitrophenol	37.2	10	µg/L	50.0		74.4	30-130	4.19	20		
4-Nitrophenol	20.1	10	µg/L	50.0		40.2	10-130	3.47	50		‡
N-Nitrosodiphenylamine	50.6	10	µg/L	50.0		101	40-140	2.83	20		
N-Nitrosodi-n-propylamine	38.7	10	µg/L	50.0		77.4	40-140	5.28	20		
Pentachloronitrobenzene	39.3	10	µg/L	50.0		78.6	40-140	4.96	20	V-16	
Phenol	15.6	10	µg/L	50.0		31.1	20-130	11.2	20		
Pyridine	14.5	5.0	µg/L	50.0		28.9	10-140	16.0	50		†
1,2,4,5-Tetrachlorobenzene	39.9	10	µg/L	50.0		79.8	40-140	2.96	20		
1,2,4-Trichlorobenzene	36.1	5.0	µg/L	50.0		72.2	40-140	3.72	20		
2,4,5-Trichlorophenol	39.4	10	µg/L	50.0		78.8	30-130	3.96	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199662 - SW-846 3510C										
LCS Dup (B199662-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2,4,6-Trichlorophenol	39.6	10	µg/L	50.0		79.3	30-130	1.28	50	
Surrogate: 2-Fluorophenol	*91.3*		µg/L	200		45.7	15-110			
Surrogate: Phenol-d6	*63.2*		µg/L	200		31.6	15-110			
Surrogate: Nitrobenzene-d5	*78.9*		µg/L	100		78.9	30-130			
Surrogate: 2-Fluorobiphenyl	*84.6*		µg/L	100		84.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*173*		µg/L	200		86.7	15-110			
Surrogate: p-Terphenyl-d14	*94.5*		µg/L	100		94.5	30-130			
Batch B199819 - SW-846 3510C										
Blank (B199819-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2-Methylnaphthalene	ND	1.0	µg/L							
Acenaphthene	ND	0.30	µg/L							
Acenaphthylene	ND	0.30	µg/L							
Anthracene	ND	0.20	µg/L							
Benzo(a)anthracene	ND	0.050	µg/L							
Benzo(a)pyrene	ND	0.10	µg/L							
Benzo(b)fluoranthene	ND	0.050	µg/L							
Benzo(g,h,i)perylene	ND	0.50	µg/L							
Benzo(k)fluoranthene	ND	0.20	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	1.0	µg/L							
Chrysene	ND	0.20	µg/L							
Dibenz(a,h)anthracene	ND	0.20	µg/L							
Fluoranthene	ND	0.50	µg/L							
Fluorene	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L							
Naphthalene	ND	1.0	µg/L							
Pentachlorophenol	ND	1.0	µg/L							
Phenanthrene	ND	0.050	µg/L							
Pyrene	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*94.0*		µg/L	200		47.0	15-110			
Surrogate: Phenol-d6	*67.3*		µg/L	200		33.7	15-110			
Surrogate: Nitrobenzene-d5	*77.1*		µg/L	100		77.1	30-130			
Surrogate: 2-Fluorobiphenyl	*72.5*		µg/L	100		72.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*190*		µg/L	200		95.0	15-110			
Surrogate: p-Terphenyl-d14	*67.4*		µg/L	100		67.4	30-130			
LCS (B199819-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2-Methylnaphthalene	40.2	25	µg/L	50.0		80.3	40-140			
Acenaphthene	42.0	7.5	µg/L	50.0		84.0	40-140			
Acenaphthylene	41.2	7.5	µg/L	50.0		82.5	40-140			
Anthracene	44.3	5.0	µg/L	50.0		88.6	40-140			
Benzo(a)anthracene	43.3	1.2	µg/L	50.0		86.6	40-140			
Benzo(a)pyrene	45.3	2.5	µg/L	50.0		90.6	40-140			
Benzo(b)fluoranthene	46.0	1.2	µg/L	50.0		92.1	40-140			
Benzo(g,h,i)perylene	43.6	12	µg/L	50.0		87.2	40-140			
Benzo(k)fluoranthene	44.0	5.0	µg/L	50.0		88.0	40-140			
Bis(2-Ethylhexyl)phthalate	43.8	25	µg/L	50.0		87.5	40-140			
Chrysene	41.9	5.0	µg/L	50.0		83.8	40-140			
Dibenz(a,h)anthracene	46.8	5.0	µg/L	50.0		93.5	40-140			
Fluoranthene	43.8	12	µg/L	50.0		87.5	40-140			
Fluorene	43.2	25	µg/L	50.0		86.5	40-140			
Indeno(1,2,3-cd)pyrene	46.2	5.0	µg/L	50.0		92.4	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199819 - SW-846 3510C										
LCS (B199819-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18						
Naphthalene	39.4	25	µg/L	50.0		78.8	40-140			
Pentachlorophenol	46.5	25	µg/L	50.0		93.0	30-130			
Phenanthrene	42.0	1.2	µg/L	50.0		84.1	40-140			
Pyrene	42.4	25	µg/L	50.0		84.9	40-140			
Surrogate: 2-Fluorophenol	*88.6*		µg/L	200		44.3	15-110			
Surrogate: Phenol-d6	*83.7*		µg/L	200		41.8	15-110			
Surrogate: Nitrobenzene-d5	*84.2*		µg/L	100		84.2	30-130			
Surrogate: 2-Fluorobiphenyl	*83.2*		µg/L	100		83.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*166*		µg/L	200		83.2	15-110			
Surrogate: p-Terphenyl-d14	*69.3*		µg/L	100		69.3	30-130			
LCS Dup (B199819-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18						
2-Methylnaphthalene	40.5	25	µg/L	50.0		81.0	40-140	0.868	20	
Acenaphthene	42.8	7.5	µg/L	50.0		85.5	40-140	1.71	20	
Acenaphthylene	41.8	7.5	µg/L	50.0		83.5	40-140	1.20	20	
Anthracene	45.4	5.0	µg/L	50.0		90.7	40-140	2.34	20	
Benzo(a)anthracene	43.9	1.2	µg/L	50.0		87.8	40-140	1.43	20	
Benzo(a)pyrene	46.0	2.5	µg/L	50.0		92.0	40-140	1.42	20	
Benzo(b)fluoranthene	46.9	1.2	µg/L	50.0		93.8	40-140	1.88	20	
Benzo(g,h,i)perylene	44.5	12	µg/L	50.0		89.0	40-140	2.04	20	
Benzo(k)fluoranthene	44.8	5.0	µg/L	50.0		89.7	40-140	1.97	20	
Bis(2-Ethylhexyl)phthalate	43.4	25	µg/L	50.0		86.7	40-140	0.918	20	
Chrysene	42.6	5.0	µg/L	50.0		85.1	40-140	1.48	20	
Dibenz(a,h)anthracene	47.5	5.0	µg/L	50.0		95.0	40-140	1.64	20	
Fluoranthene	45.2	12	µg/L	50.0		90.4	40-140	3.20	20	
Fluorene	44.5	25	µg/L	50.0		89.0	40-140	2.79	20	
Indeno(1,2,3-cd)pyrene	47.2	5.0	µg/L	50.0		94.4	40-140	2.20	50	
Naphthalene	40.1	25	µg/L	50.0		80.2	40-140	1.82	20	
Pentachlorophenol	49.6	25	µg/L	50.0		99.1	30-130	6.35	50	
Phenanthrene	42.6	1.2	µg/L	50.0		85.2	40-140	1.30	20	
Pyrene	41.6	25	µg/L	50.0		83.1	40-140	2.14	20	
Surrogate: 2-Fluorophenol	*71.4*		µg/L	200		35.7	15-110			
Surrogate: Phenol-d6	*67.0*		µg/L	200		33.5	15-110			
Surrogate: Nitrobenzene-d5	*82.8*		µg/L	100		82.8	30-130			
Surrogate: 2-Fluorobiphenyl	*84.4*		µg/L	100		84.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*170*		µg/L	200		84.9	15-110			
Surrogate: p-Terphenyl-d14	*68.3*		µg/L	100		68.3	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199802 - SW-846 3510C										
Blank (B199802-BLK1)				Prepared: 03/29/18 Analyzed: 03/30/18						
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	*1.38*		µg/L	2.00		69.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.37*		µg/L	2.00		68.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.70*		µg/L	2.00		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/L	2.00		86.5	30-150			
LCS (B199802-BS1)				Prepared: 03/29/18 Analyzed: 03/30/18						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.6	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		101	40-140			
Aroclor-1260	0.43	0.20	µg/L	0.500		86.9	40-140			
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.6	40-140			
Surrogate: Decachlorobiphenyl	*1.33*		µg/L	2.00		66.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.31*		µg/L	2.00		65.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.63*		µg/L	2.00		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.68*		µg/L	2.00		84.0	30-150			
LCS Dup (B199802-BSD1)				Prepared: 03/29/18 Analyzed: 03/30/18						
Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140	7.24	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		110	40-140	8.45	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		91.1	40-140	4.73	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		91.5	40-140	7.77	20	
Surrogate: Decachlorobiphenyl	*1.18*		µg/L	2.00		58.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.16*		µg/L	2.00		57.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.66*		µg/L	2.00		83.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/L	2.00		84.6	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B199754 - SW-846 3510C											
Blank (B199754-BLK1)				Prepared: 03/28/18 Analyzed: 03/29/18							
CT ETPH	ND	0.075	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0820*		mg/L	0.100		82.0		50-150			
LCS (B199754-BS1)				Prepared: 03/28/18 Analyzed: 03/29/18							
CT ETPH	0.608	0.075	mg/L	1.00		60.8		60-120			
Surrogate: 2-Fluorobiphenyl	*0.0740*		mg/L	0.100		74.0		50-150			
LCS Dup (B199754-BSD1)				Prepared: 03/28/18 Analyzed: 03/29/18							
CT ETPH	0.577	0.075	mg/L	1.00		**57.7**	*	60-120	5.25	30	L-07
Surrogate: 2-Fluorobiphenyl	*0.0693*		mg/L	0.100		69.3		50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199875 - SW-846 3005A										
Blank (B199875-BLK1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	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							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B199875-BS1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	538	4.0	µg/L	500		108	80-120			
Barium	533	100	µg/L	500		107	80-120			
Cadmium	545	5.0	µg/L	500		109	80-120			
Chromium	534	10	µg/L	500		107	80-120			
Copper	1030	50	µg/L	1000		103	80-120			
Lead	541	10	µg/L	500		108	80-120			
Selenium	554	50	µg/L	500		111	80-120			
Silver	476	5.0	µg/L	500		95.2	80-120			
LCS Dup (B199875-BSD1)				Prepared: 03/30/18 Analyzed: 04/03/18						
Arsenic	543	4.0	µg/L	500		109	80-120	0.918	20	
Barium	534	100	µg/L	500		107	80-120	0.159	20	
Cadmium	547	5.0	µg/L	500		109	80-120	0.468	20	
Chromium	532	10	µg/L	500		106	80-120	0.396	20	
Copper	1040	50	µg/L	1000		104	80-120	0.450	20	
Lead	545	10	µg/L	500		109	80-120	0.781	20	
Selenium	563	50	µg/L	500		113	80-120	1.64	20	
Silver	475	5.0	µg/L	500		95.0	80-120	0.196	20	
Batch B199898 - SW-846 7470A Prep										
Blank (B199898-BLK1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	ND	0.00010	mg/L							
LCS (B199898-BS1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	0.00201	0.00010	mg/L	0.00200		100	80-120			
LCS Dup (B199898-BSD1)				Prepared: 03/30/18 Analyzed: 04/02/18						
Mercury	0.00202	0.00010	mg/L	0.00200		101	80-120	0.677	20	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199759 - SW-846 7196A										
Blank (B199759-BLK1)				Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B199759-BS1)				Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	0.10	0.0040	mg/L	0.100		99.6	80-120			
LCS Dup (B199759-BSD1)				Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	0.097	0.0040	mg/L	0.100		97.3	80-120	2.40	20	
Duplicate (B199759-DUP1)		**Source: 18C1119-10**		Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B199759-MS1)		**Source: 18C1119-10**		Prepared & Analyzed: 03/28/18						
Hexavalent Chromium	0.090	0.0040	mg/L	0.100	ND	90.2	75-125			

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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 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-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
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-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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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
Copper	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 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
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
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

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
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
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
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
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	04/1/2019
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

18C1119

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson - (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 = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
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 #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper
								3 H V	2 I A	2 I A	2 I A	1 N P	1 I P
1	MW-16	3/28/18	1000		X	GW	U	X	X	X	X	X	X
2	MW-CCA2		1210					X	X	X			
3	MW-CCA3		935							X	X	X	X
4	MW-CCA4		1138					X	X	X	X	X	X
5	MW-310		1255							X			
6	MW-202		1345							X			
7	MW-203		1420						X	X			
8	MW-201		1445					X	X	X			
9	MW-2A		1528					X		X			
10	DUP-1	↓	—		↓	↓	↓	X	X	X	X	X	X

ANALYSIS REQUESTED

# of Containers	3 2 2 2 1 1
[2] Preservation Code	H I I I N I
[3] Container Code	V A A A P P

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 Weston & Sampson 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:
Received by: (signature) Tom Mac	Date/Time: 3/28/18 1630
Relinquished by: (signature) Tom Mac	Date/Time: 3/28/18 1745
Received by: (signature)	Date/Time: 3-28-18 17:45
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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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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 ESD Date 3-28-18 Time 17:45

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

Were samples within Temperature? 2-6°C T By Gun # 537 Actual Temp - 4.5 / 3.6 / 3.1 / 4.1
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? T Who was notified? ____
Are there Rushes? F Who was notified? ____
Are there Short Holds? T Who was notified? Luke
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? T Acid pH<2 Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	40	1 Liter Plastic		16 oz Amb.	
HCL-	15	500 mL Amb.		500 mL Plastic	4	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	4	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18C1119

Laboratory Sample ID(s):

18C1119-01 thru 18C1119-10

Sample Date(s):

03/28/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020A-B, SW-846 7196A, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D, Tri Chrome Calc.

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.

Lisa A. Worthington

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:** 04/04/18

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

April 9, 2018

Laura Yellen
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18C1266

Enclosed are results of analyses for samples received by the laboratory on March 30, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 4/9/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C1266

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-TRW1	18C1266-01	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
MW-T3	18C1266-02	Ground Water		CTDEP ETPH	
MW-15	18C1266-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-AIR-1	18C1266-04	Ground Water		SW-846 8270D	
MW-200	18C1266-05	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-CCA5	18C1266-06	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
Trip Blank	18C1266-07	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

For method 8270, only a select list of compounds was requested and reported.

For method 6020, only a select list of metals was requested and reported.

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SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

Bromomethane
B200056-BS1

L-03

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

Analyte & Samples(s) Qualified:

tert-Butyl Alcohol (TBA)
B200056-BLK1, B200056-BS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
B200056-BS1

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
B200056-BS1

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:

Carbon Disulfide
B200056-BS1

SW-846 8270D

Qualifications:

S-17

Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
18C1266-04[MW-AIR-1], B200090-BLK1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Aniline
18C1266-04[MW-AIR-1], B199933-BLK1, B199933-BS1, B199933-BSD1

Hexachlorocyclopentadiene
B199933-BLK1, B199933-BS1, B199933-BSD1

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18C1266-04[MW-AIR-1], B199933-BLK1, B199933-BS1, B199933-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:

2,4-Dinitrophenol
18C1266-04[MW-AIR-1]

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-Nitroaniline
18C1266-04[MW-AIR-1]

4-Chloroaniline
18C1266-04[MW-AIR-1], B199933-BLK1, B199933-BS1, B199933-BSD1

Aniline
18C1266-04[MW-AIR-1]

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

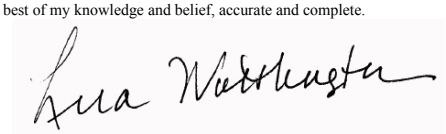
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

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: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

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	4/3/18	4/4/18 5:21	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

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	4/3/18	4/4/18 5:21	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 5:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		4/4/18 5:21
Toluene-d8	102	70-130		4/4/18 5:21
4-Bromofluorobenzene	97.0	70-130		4/4/18 5:21

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

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	4/3/18	4/4/18 17:09	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.4	30-150		4/4/18 17:09
Decachlorobiphenyl [2]	70.5	30-150		4/4/18 17:09
Tetrachloro-m-xylene [1]	81.2	30-150		4/4/18 17:09
Tetrachloro-m-xylene [2]	83.7	30-150		4/4/18 17:09

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1 | Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1.2	0.071	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 19:09	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	101	50-150		4/5/18 19:09

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

Project Location: Simsbury, CT
Sample Description:
Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-TRW1
Sampled: 3/30/2018 09:00

Sample ID: 18C1266-01

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	4/3/18	4/3/18 17:45	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	4/3/18	4/4/18 10:07	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	4/3/18	4/3/18 17:45	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-T3 | Sampled: 3/30/2018 10:20

Sample ID: 18C1266-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.7	0.36	mg/L	5		CTDEP ETPH	4/2/18	4/6/18 10:02	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	87.7	50-150		4/6/18 10:02

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15 | Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

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	4/3/18	4/4/18 4:13	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15 | Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

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	4/3/18	4/4/18 4:13	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	118	70-130		4/4/18 4:13
Toluene-d8	96.8	70-130		4/4/18 4:13
4-Bromofluorobenzene	90.1	70-130		4/4/18 4:13

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15 | Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

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	4/3/18	4/4/18 17:27	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.1	30-150		4/4/18 17:27
Decachlorobiphenyl [2]	62.8	30-150		4/4/18 17:27
Tetrachloro-m-xylene [1]	87.6	30-150		4/4/18 17:27
Tetrachloro-m-xylene [2]	90.8	30-150		4/4/18 17:27

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-15 | Sampled: 3/30/2018 09:15

Sample ID: 18C1266-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.10	0.071	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 18:16	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	104	50-150		4/5/18 18:16

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-AIR-1 | Sampled: 3/30/2018 10:20

Sample ID: 18C1266-04

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	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Aniline	ND	5.0	µg/L	1	V-05, V-34	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-19	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Hexachlorobenzene	ND	2.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-AIR-1 | Sampled: 3/30/2018 10:20

Sample ID: 18C1266-04

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-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
3-Nitroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	3/31/18	4/3/18 17:45	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	4/6/18	4/6/18 13:49	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	57.2		15-110		4/6/18 13:49
2-Fluorophenol	70.8		15-110		4/3/18 17:45
Phenol-d6	57.0		15-110		4/3/18 17:45
Phenol-d6	41.1		15-110		4/6/18 13:49
Nitrobenzene-d5	109		30-130		4/3/18 17:45
Nitrobenzene-d5	84.4		30-130		4/6/18 13:49
2-Fluorobiphenyl	75.5		30-130		4/6/18 13:49
2-Fluorobiphenyl	89.1		30-130		4/3/18 17:45
2,4,6-Tribromophenol	91.0		15-110		4/6/18 13:49
2,4,6-Tribromophenol	**132**	*	15-110	S-17	4/3/18 17:45
p-Terphenyl-d14	105		30-130		4/6/18 13:49
p-Terphenyl-d14	91.1		30-130		4/3/18 17:45

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

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	4/3/18	4/4/18 4:35	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

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	4/3/18	4/4/18 4:35	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	115	70-130		4/4/18	4:35
Toluene-d8	98.8	70-130		4/4/18	4:35
4-Bromofluorobenzene	91.2	70-130		4/4/18	4:35

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

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	4/3/18	4/4/18 17:46	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 17:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.3	30-150		4/4/18 17:46
Decachlorobiphenyl [2]	59.5	30-150		4/4/18 17:46
Tetrachloro-m-xylene [1]	79.0	30-150		4/4/18 17:46
Tetrachloro-m-xylene [2]	82.7	30-150		4/4/18 17:46

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-200 | Sampled: 3/30/2018 11:40

Sample ID: 18C1266-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.073	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 18:34	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	93.8	50-150		4/5/18 18:34

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

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	4/3/18	4/4/18 4:58	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

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	4/3/18	4/4/18 4:58	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/4/18 4:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	116	70-130		4/4/18 4:58
Toluene-d8	101	70-130		4/4/18 4:58
4-Bromofluorobenzene	91.9	70-130		4/4/18 4:58

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

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	4/3/18	4/4/18 18:04	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/3/18	4/4/18 18:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.5	30-150		4/4/18 18:04
Decachlorobiphenyl [2]	77.7	30-150		4/4/18 18:04
Tetrachloro-m-xylene [1]	84.0	30-150		4/4/18 18:04
Tetrachloro-m-xylene [2]	87.8	30-150		4/4/18 18:04

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: MW-CCA5 | Sampled: 3/30/2018 12:20

Sample ID: 18C1266-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.091	0.071	mg/L	1		CTDEP ETPH	4/2/18	4/5/18 18:51	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	84.1	50-150		4/5/18 18:51

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: Trip Blank | Sampled: 3/30/2018 00:00

Sample ID: 18C1266-07

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	4/3/18	4/3/18 22:31	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18C1266

Date Received: 3/30/2018

Field Sample #: Trip Blank | Sampled: 3/30/2018 00:00

Sample ID: 18C1266-07

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	4/3/18	4/3/18 22:31	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/3/18	4/3/18 22:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	112	70-130		4/3/18 22:31
Toluene-d8	99.6	70-130		4/3/18 22:31
4-Bromofluorobenzene	91.0	70-130		4/3/18 22:31

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B199941	1050	1.00	04/02/18
18C1266-02 [MW-T3]	B199941	1050	1.00	04/02/18
18C1266-03 [MW-15]	B199941	1050	1.00	04/02/18
18C1266-05 [MW-200]	B199941	1030	1.00	04/02/18
18C1266-06 [MW-CCA5]	B199941	1050	1.00	04/02/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200000	50.0	50.0	04/03/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200084	6.00	6.00	04/03/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200037	1000	10.0	04/03/18
18C1266-03 [MW-15]	B200037	1000	10.0	04/03/18
18C1266-05 [MW-200]	B200037	1000	10.0	04/03/18
18C1266-06 [MW-CCA5]	B200037	1000	10.0	04/03/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-01 [MW-TRW1]	B200056	5	5.00	04/03/18
18C1266-03 [MW-15]	B200056	5	5.00	04/03/18
18C1266-05 [MW-200]	B200056	5	5.00	04/03/18
18C1266-06 [MW-CCA5]	B200056	5	5.00	04/03/18
18C1266-07 [Trip Blank]	B200056	5	5.00	04/03/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-04 [MW-AIR-1]	B199933	1000	1.00	04/06/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C1266-04 [MW-AIR-1]	B200090	1000	1.00	03/31/18

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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 B200056 - SW-846 5030B										
Blank (B200056-BLK1)				Prepared & Analyzed: 04/03/18						
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							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							L-03
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	1.0	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	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	10	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							

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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 B200056 - SW-846 5030B											
Blank (B200056-BLK1)				Prepared & Analyzed: 04/03/18							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	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	*27.6*		µg/L	25.0		110		70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.2		70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.5		70-130			
LCS (B200056-BS1)				Prepared & Analyzed: 04/03/18							
Acetone	93.0	10	µg/L	100		93.0		70-130			
Acrylonitrile	10.6	2.0	µg/L	10.0		106		70-130			
Benzene	9.30	0.50	µg/L	10.0		93.0		70-130			
Bromobenzene	8.91	0.50	µg/L	10.0		89.1		70-130			
Bromodichloromethane	9.33	0.50	µg/L	10.0		93.3		70-130			
Bromoform	9.11	0.50	µg/L	10.0		91.1		70-130			
Bromomethane	15.5	1.0	µg/L	10.0		**155**	*	70-130			L-01, V-05
2-Butanone (MEK)	98.5	5.0	µg/L	100		98.5		70-130			
tert-Butyl Alcohol (TBA)	52.8	20	µg/L	100		**52.8**	*	70-130			L-03
n-Butylbenzene	8.92	1.0	µg/L	10.0		89.2		70-130			
sec-Butylbenzene	8.72	1.0	µg/L	10.0		87.2		70-130			
tert-Butylbenzene	9.33	1.0	µg/L	10.0		93.3		70-130			
Carbon Disulfide	99.1	5.0	µg/L	100		99.1		70-130			V-36
Carbon Tetrachloride	9.72	0.50	µg/L	10.0		97.2		70-130			
Chlorobenzene	9.10	0.50	µg/L	10.0		91.0		70-130			
Chlorodibromomethane	9.67	0.50	µg/L	10.0		96.7		70-130			
Chloroethane	10.3	1.0	µg/L	10.0		103		70-130			
Chloroform	9.16	0.50	µg/L	10.0		91.6		70-130			
Chloromethane	9.16	2.0	µg/L	10.0		91.6		70-130			
2-Chlorotoluene	9.49	0.50	µg/L	10.0		94.9		70-130			
4-Chlorotoluene	9.14	0.50	µg/L	10.0		91.4		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.06	1.0	µg/L	10.0		80.6		70-130			
1,2-Dibromoethane (EDB)	9.57	0.50	µg/L	10.0		95.7		70-130			
Dibromomethane	9.43	0.50	µg/L	10.0		94.3		70-130			
1,2-Dichlorobenzene	9.45	0.50	µg/L	10.0		94.5		70-130			
1,3-Dichlorobenzene	9.58	0.50	µg/L	10.0		95.8		70-130			
1,4-Dichlorobenzene	8.92	0.50	µg/L	10.0		89.2		70-130			
trans-1,4-Dichloro-2-butene	9.72	2.0	µg/L	10.0		97.2		70-130			
Dichlorodifluoromethane (Freon 12)	9.70	0.50	µg/L	10.0		97.0		70-130			V-34
1,1-Dichloroethane	10.3	0.50	µg/L	10.0		103		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 B200056 - SW-846 5030B										
LCS (B200056-BS1)				Prepared & Analyzed: 04/03/18						
1,2-Dichloroethane	9.52	0.50	µg/L	10.0		95.2	70-130			
1,1-Dichloroethylene	10.0	0.50	µg/L	10.0		100	70-130			
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	9.51	1.0	µg/L	10.0		95.1	70-130			
1,2-Dichloropropane	8.93	0.50	µg/L	10.0		89.3	70-130			
1,3-Dichloropropane	9.56	0.50	µg/L	10.0		95.6	70-130			
2,2-Dichloropropane	7.55	0.50	µg/L	10.0		75.5	70-130			
1,1-Dichloropropene	9.24	0.50	µg/L	10.0		92.4	70-130			
cis-1,3-Dichloropropene	9.26	0.50	µg/L	10.0		92.6	70-130			
trans-1,3-Dichloropropene	8.84	0.50	µg/L	10.0		88.4	70-130			
Ethylbenzene	9.35	0.50	µg/L	10.0		93.5	70-130			
Hexachlorobutadiene	10.6	0.60	µg/L	10.0		106	70-130			
2-Hexanone (MBK)	99.6	5.0	µg/L	100		99.6	70-130			
Isopropylbenzene (Cumene)	9.25	0.50	µg/L	10.0		92.5	70-130			
p-Isopropyltoluene (p-Cymene)	9.06	0.50	µg/L	10.0		90.6	70-130			
Methyl tert-Butyl Ether (MTBE)	9.07	0.50	µg/L	10.0		90.7	70-130			
Methylene Chloride	9.76	5.0	µg/L	10.0		97.6	70-130			
4-Methyl-2-pentanone (MIBK)	97.3	10	µg/L	100		97.3	70-130			
Naphthalene	8.72	2.0	µg/L	10.0		87.2	70-130			
n-Propylbenzene	9.48	1.0	µg/L	10.0		94.8	70-130			
Styrene	8.75	1.0	µg/L	10.0		87.5	70-130			
1,1,1,2-Tetrachloroethane	9.19	0.50	µg/L	10.0		91.9	70-130			
1,1,2,2-Tetrachloroethane	9.84	0.50	µg/L	10.0		98.4	70-130			
Tetrachloroethylene	8.76	1.0	µg/L	10.0		87.6	70-130			
Tetrahydrofuran	10.0	10	µg/L	10.0		100	70-130			
Toluene	8.33	1.0	µg/L	10.0		83.3	70-130			
1,2,3-Trichlorobenzene	9.59	0.50	µg/L	10.0		95.9	70-130			
1,2,4-Trichlorobenzene	9.25	0.50	µg/L	10.0		92.5	70-130			
1,1,1-Trichloroethane	10.0	0.50	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	9.54	0.50	µg/L	10.0		95.4	70-130			
Trichloroethylene	8.96	1.0	µg/L	10.0		89.6	70-130			
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.0		105	70-130			
1,2,3-Trichloropropane	8.75	0.50	µg/L	10.0		87.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.97	0.50	µg/L	10.0		99.7	70-130			
1,2,4-Trimethylbenzene	8.89	0.50	µg/L	10.0		88.9	70-130			
1,3,5-Trimethylbenzene	9.09	0.50	µg/L	10.0		90.9	70-130			
Vinyl Chloride	8.97	1.0	µg/L	10.0		89.7	70-130			
m+p Xylene	17.4	2.0	µg/L	20.0		87.0	70-130			
o-Xylene	8.93	1.0	µg/L	10.0		89.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.1	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199933 - SW-846 3510C										
Blank (B199933-BLK1)				Prepared: 03/31/18 Analyzed: 04/03/18						
Acenaphthene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							V-05
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							V-05
Hexachloroethane	ND	10	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							
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
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	*114*		µg/L	200		57.1	15-110			
Surrogate: Phenol-d6	*84.2*		µg/L	200		42.1	15-110			
Surrogate: Nitrobenzene-d5	*86.1*		µg/L	100		86.1	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199933 - SW-846 3510C											
Blank (B199933-BLK1)				Prepared: 03/31/18 Analyzed: 04/03/18							
Surrogate: 2-Fluorobiphenyl	*81.8*		µg/L	101		81.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*206*		µg/L	200		103	15-110				
Surrogate: p-Terphenyl-d14	*94.2*		µg/L	101		93.3	30-130				
LCS (B199933-BS1)				Prepared: 03/31/18 Analyzed: 04/03/18							
Acenaphthene	39.8	5.0	µg/L	50.0		79.6	40-140				
Aniline	40.6	5.0	µg/L	50.0		81.2	40-140			V-05	†
Bis(2-chloroethoxy)methane	42.9	10	µg/L	50.0		85.8	40-140				
Bis(2-chloroethyl)ether	40.2	10	µg/L	50.0		80.4	40-140				
Bis(2-chloroisopropyl)ether	43.9	10	µg/L	50.0		87.8	40-140				
Bis(2-Ethylhexyl)phthalate	40.8	10	µg/L	50.0		81.7	40-140				
4-Bromophenylphenylether	41.9	10	µg/L	50.0		83.8	40-140				
Butylbenzylphthalate	38.9	10	µg/L	50.0		77.8	40-140				
Carbazole	41.9	10	µg/L	50.0		83.8	40-140				
4-Chloroaniline	43.5	10	µg/L	50.0		87.1	40-140			V-34	†
4-Chloro-3-methylphenol	40.8	10	µg/L	50.0		81.6	30-130				
2-Chloronaphthalene	33.8	10	µg/L	50.0		67.5	40-140				
2-Chlorophenol	38.1	10	µg/L	50.0		76.2	30-130				
4-Chlorophenylphenylether	40.2	10	µg/L	50.0		80.5	40-140				
Dibenzofuran	41.7	5.0	µg/L	50.0		83.3	40-140				
Di-n-butylphthalate	44.0	10	µg/L	50.0		88.1	40-140				
3,3-Dichlorobenzidine	48.6	10	µg/L	50.0		97.2	40-140				†
2,4-Dichlorophenol	38.1	10	µg/L	50.0		76.2	30-130				
Diethylphthalate	41.9	10	µg/L	50.0		83.7	40-140				
2,4-Dimethylphenol	39.7	10	µg/L	50.0		79.5	30-130				
Dimethylphthalate	42.7	10	µg/L	50.0		85.4	40-140				
4,6-Dinitro-2-methylphenol	35.6	10	µg/L	50.0		71.1	30-130				
2,4-Dinitrophenol	37.3	10	µg/L	50.0		74.6	30-130				
2,4-Dinitrotoluene	41.6	10	µg/L	50.0		83.1	40-140				
2,6-Dinitrotoluene	42.6	10	µg/L	50.0		85.2	40-140				
Di-n-octylphthalate	37.6	10	µg/L	50.0		75.2	40-140				
Hexachlorobenzene	40.1	10	µg/L	50.0		80.1	40-140				
Hexachlorobutadiene	38.0	10	µg/L	50.0		75.9	40-140				
Hexachlorocyclopentadiene	24.7	10	µg/L	50.0		49.4	30-140			V-05	
Hexachloroethane	34.3	10	µg/L	50.0		68.5	40-140				
Isophorone	40.0	10	µg/L	50.0		80.0	40-140				
2-Methylnaphthalene	41.5	5.0	µg/L	50.0		83.0	40-140				
2-Methylphenol	37.1	10	µg/L	50.0		74.2	30-130				
3/4-Methylphenol	36.1	10	µg/L	50.0		72.2	30-130				
2-Nitroaniline	40.1	10	µg/L	50.0		80.2	40-140				
3-Nitroaniline	43.6	10	µg/L	50.0		87.3	40-140				†
4-Nitroaniline	45.2	10	µg/L	50.0		90.5	40-140				
Nitrobenzene	34.5	10	µg/L	50.0		68.9	40-140				
2-Nitrophenol	38.3	10	µg/L	50.0		76.5	30-130				
4-Nitrophenol	17.7	10	µg/L	50.0		35.3	10-130				
N-Nitrosodiphenylamine	50.1	10	µg/L	50.0		100	40-140				
N-Nitrosodi-n-propylamine	38.8	10	µg/L	50.0		77.6	40-140				
Pentachloronitrobenzene	40.6	10	µg/L	50.0		81.1	40-140			V-16	
Phenol	21.8	10	µg/L	50.0		43.6	20-130				
Pyridine	20.6	5.0	µg/L	50.0		41.2	10-140				†
1,2,4,5-Tetrachlorobenzene	39.2	10	µg/L	50.0		78.3	40-140				
1,2,4-Trichlorobenzene	36.4	5.0	µg/L	50.0		72.8	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B199933 - SW-846 3510C											
LCS (B199933-BS1)				Prepared: 03/31/18 Analyzed: 04/03/18							
2,4,5-Trichlorophenol	39.5	10	µg/L	50.0		79.1	30-130				
2,4,6-Trichlorophenol	39.4	10	µg/L	50.0		78.8	30-130				
Surrogate: 2-Fluorophenol	*115*		µg/L	200		57.3	15-110				
Surrogate: Phenol-d6	*84.5*		µg/L	200		42.3	15-110				
Surrogate: Nitrobenzene-d5	*75.4*		µg/L	100		75.4	30-130				
Surrogate: 2-Fluorobiphenyl	*76.1*		µg/L	101		75.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*196*		µg/L	200		97.9	15-110				
Surrogate: p-Terphenyl-d14	*80.1*		µg/L	101		79.3	30-130				
LCS Dup (B199933-BSD1)				Prepared: 03/31/18 Analyzed: 04/03/18							
Acenaphthene	38.0	5.0	µg/L	50.0		76.1	40-140	4.57	20		
Aniline	33.5	5.0	µg/L	50.0		67.0	40-140	19.3	50	V-05	† ‡
Bis(2-chloroethoxy)methane	40.6	10	µg/L	50.0		81.2	40-140	5.48	20		
Bis(2-chloroethyl)ether	37.1	10	µg/L	50.0		74.3	40-140	7.94	20		
Bis(2-chloroisopropyl)ether	41.3	10	µg/L	50.0		82.7	40-140	5.96	20		
Bis(2-Ethylhexyl)phthalate	40.0	10	µg/L	50.0		80.0	40-140	2.05	20		
4-Bromophenylphenylether	40.7	10	µg/L	50.0		81.3	40-140	2.98	20		
Butylbenzylphthalate	37.7	10	µg/L	50.0		75.4	40-140	3.16	20		
Carbazole	40.0	10	µg/L	50.0		80.0	40-140	4.62	20		
4-Chloroaniline	40.0	10	µg/L	50.0		79.9	40-140	8.60	20	V-34	†
4-Chloro-3-methylphenol	38.1	10	µg/L	50.0		76.1	30-130	7.00	20		
2-Chloronaphthalene	32.2	10	µg/L	50.0		64.5	40-140	4.67	20		
2-Chlorophenol	35.1	10	µg/L	50.0		70.2	30-130	8.25	20		
4-Chlorophenylphenylether	37.6	10	µg/L	50.0		75.1	40-140	6.86	20		
Dibenzofuran	40.0	5.0	µg/L	50.0		80.0	40-140	4.09	20		
Di-n-butylphthalate	40.7	10	µg/L	50.0		81.4	40-140	7.93	20		
3,3-Dichlorobenzidine	47.5	10	µg/L	50.0		95.0	40-140	2.27	20		† ‡
2,4-Dichlorophenol	34.9	10	µg/L	50.0		69.9	30-130	8.71	20		
Diethylphthalate	39.3	10	µg/L	50.0		78.6	40-140	6.31	20		
2,4-Dimethylphenol	37.3	10	µg/L	50.0		74.6	30-130	6.36	20		
Dimethylphthalate	40.4	10	µg/L	50.0		80.8	40-140	5.49	50		
4,6-Dinitro-2-methylphenol	34.4	10	µg/L	50.0		68.9	30-130	3.17	50		
2,4-Dinitrophenol	32.5	10	µg/L	50.0		65.0	30-130	13.8	50		
2,4-Dinitrotoluene	38.6	10	µg/L	50.0		77.3	40-140	7.31	20		
2,6-Dinitrotoluene	39.6	10	µg/L	50.0		79.3	40-140	7.25	20		
Di-n-octylphthalate	37.2	10	µg/L	50.0		74.3	40-140	1.10	20		
Hexachlorobenzene	38.6	10	µg/L	50.0		77.2	40-140	3.66	20		
Hexachlorobutadiene	35.5	10	µg/L	50.0		71.1	40-140	6.61	20		
Hexachlorocyclopentadiene	23.6	10	µg/L	50.0		47.2	30-140	4.56	50	V-05	
Hexachloroethane	31.6	10	µg/L	50.0		63.2	40-140	8.17	50		
Isophorone	37.8	10	µg/L	50.0		75.7	40-140	5.53	20		
2-Methylnaphthalene	38.3	5.0	µg/L	50.0		76.7	40-140	7.96	20		
2-Methylphenol	35.5	10	µg/L	50.0		71.0	30-130	4.46	20		
3/4-Methylphenol	34.0	10	µg/L	50.0		68.1	30-130	5.90	20		
2-Nitroaniline	39.3	10	µg/L	50.0		78.5	40-140	2.09	20		
3-Nitroaniline	42.8	10	µg/L	50.0		85.5	40-140	2.01	20		†
4-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140	9.06	20		
Nitrobenzene	32.9	10	µg/L	50.0		65.8	40-140	4.60	20		
2-Nitrophenol	37.7	10	µg/L	50.0		75.5	30-130	1.39	20		
4-Nitrophenol	16.4	10	µg/L	50.0		32.7	10-130	7.64	50		‡
N-Nitrosodiphenylamine	48.8	10	µg/L	50.0		97.6	40-140	2.71	20		
N-Nitrosodi-n-propylamine	36.9	10	µg/L	50.0		73.7	40-140	5.10	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B199933 - SW-846 3510C												
LCS Dup (B199933-BSD1)				Prepared: 03/31/18 Analyzed: 04/03/18								
Pentachloronitrobenzene	40.5	10	µg/L	50.0		80.9		40-140	0.222	20	V-16	
Phenol	19.4	10	µg/L	50.0		38.8		20-130	11.7	20		
Pyridine	14.5	5.0	µg/L	50.0		29.0		10-140	34.6	50		†
1,2,4,5-Tetrachlorobenzene	38.2	10	µg/L	50.0		76.4		40-140	2.48	20		
1,2,4-Trichlorobenzene	34.1	5.0	µg/L	50.0		68.2		40-140	6.56	20		
2,4,5-Trichlorophenol	40.2	10	µg/L	50.0		80.5		30-130	1.76	20		
2,4,6-Trichlorophenol	37.5	10	µg/L	50.0		75.1		30-130	4.89	50		
Surrogate: 2-Fluorophenol	*102*		µg/L	200		50.9		15-110				
Surrogate: Phenol-d6	*76.6*		µg/L	200		38.3		15-110				
Surrogate: Nitrobenzene-d5	*71.6*		µg/L	100		71.6		30-130				
Surrogate: 2-Fluorobiphenyl	*72.6*		µg/L	101		71.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*179*		µg/L	200		89.5		15-110				
Surrogate: p-Terphenyl-d14	*77.7*		µg/L	101		76.9		30-130				
Batch B200090 - SW-846 3510C												
Blank (B200090-BLK1)				Prepared: 03/31/31 Analyzed: 04/03/18								
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									
Pentachlorophenol (SIM)	ND	1.0	µg/L									
Phenanthrene (SIM)	ND	0.050	µg/L									
Pyrene (SIM)	ND	1.0	µg/L									
Surrogate: 2-Fluorophenol	*136*		µg/L	200		67.8		15-110				
Surrogate: Phenol-d6	*105*		µg/L	200		52.7		15-110				
Surrogate: Nitrobenzene-d5	*102*		µg/L	100		102		30-130				
Surrogate: 2-Fluorobiphenyl	*82.6*		µg/L	101		81.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*251*		µg/L	200		**126**	*	15-110			S-17	
Surrogate: p-Terphenyl-d14	*84.3*		µg/L	101		83.4		30-130				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200090 - SW-846 3510C										
LCS (B200090-BS1)				Prepared: 03/31/31 Analyzed: 04/03/18						
Acenaphthene (SIM)	45.0	7.5	µg/L	50.0		90.1	40-140			
Acenaphthylene (SIM)	46.2	7.5	µg/L	50.0		92.4	40-140			
Anthracene (SIM)	48.2	5.0	µg/L	50.0		96.4	40-140			
Benzo(a)anthracene (SIM)	46.5	1.2	µg/L	50.0		93.0	40-140			
Benzo(a)pyrene (SIM)	48.6	2.5	µg/L	50.0		97.3	40-140			
Benzo(b)fluoranthene (SIM)	49.5	1.2	µg/L	50.0		99.0	40-140			
Benzo(g,h,i)perylene (SIM)	48.1	12	µg/L	50.0		96.2	40-140			
Benzo(k)fluoranthene (SIM)	48.4	5.0	µg/L	50.0		96.7	40-140			
Chrysene (SIM)	45.6	5.0	µg/L	50.0		91.2	40-140			
Dibenz(a,h)anthracene (SIM)	50.2	5.0	µg/L	50.0		100	40-140			
Fluoranthene (SIM)	49.8	12	µg/L	50.0		99.5	40-140			
Fluorene (SIM)	46.8	25	µg/L	50.0		93.6	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	49.8	5.0	µg/L	50.0		99.6	40-140			
2-Methylnaphthalene (SIM)	42.6	25	µg/L	50.0		85.1	40-140			
Naphthalene (SIM)	43.1	25	µg/L	50.0		86.2	40-140			
Pentachlorophenol (SIM)	48.6	25	µg/L	50.0		97.2	40-140			
Phenanthrene (SIM)	45.7	1.2	µg/L	50.0		91.4	40-140			
Pyrene (SIM)	44.6	25	µg/L	50.0		89.2	40-140			
Surrogate: 2-Fluorophenol	*120*		µg/L	200		60.2	15-110			
Surrogate: Phenol-d6	*110*		µg/L	200		55.2	15-110			
Surrogate: Nitrobenzene-d5	*101*		µg/L	100		101	30-130			
Surrogate: 2-Fluorobiphenyl	*81.7*		µg/L	101		80.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*168*		µg/L	200		83.8	15-110			
Surrogate: p-Terphenyl-d14	*68.6*		µg/L	101		67.9	30-130			
LCS Dup (B200090-BSD1)				Prepared: 03/31/31 Analyzed: 04/03/18						
Acenaphthene (SIM)	43.6	7.5	µg/L	50.0		87.2	40-140	3.21	20	
Acenaphthylene (SIM)	44.7	7.5	µg/L	50.0		89.4	40-140	3.30	20	
Anthracene (SIM)	46.5	5.0	µg/L	50.0		93.0	40-140	3.54	20	
Benzo(a)anthracene (SIM)	44.8	1.2	µg/L	50.0		89.5	40-140	3.89	20	
Benzo(a)pyrene (SIM)	46.5	2.5	µg/L	50.0		93.0	40-140	4.47	20	
Benzo(b)fluoranthene (SIM)	47.2	1.2	µg/L	50.0		94.4	40-140	4.76	20	
Benzo(g,h,i)perylene (SIM)	46.0	12	µg/L	50.0		92.1	40-140	4.35	20	
Benzo(k)fluoranthene (SIM)	46.1	5.0	µg/L	50.0		92.2	40-140	4.76	20	
Chrysene (SIM)	43.7	5.0	µg/L	50.0		87.4	40-140	4.25	20	
Dibenz(a,h)anthracene (SIM)	48.2	5.0	µg/L	50.0		96.4	40-140	4.11	20	
Fluoranthene (SIM)	48.0	12	µg/L	50.0		96.0	40-140	3.58	20	
Fluorene (SIM)	45.4	25	µg/L	50.0		90.8	40-140	3.09	20	
Indeno(1,2,3-cd)pyrene (SIM)	47.7	5.0	µg/L	50.0		95.4	40-140	4.36	20	‡
2-Methylnaphthalene (SIM)	41.1	25	µg/L	50.0		82.2	40-140	3.41	20	
Naphthalene (SIM)	41.4	25	µg/L	50.0		82.7	40-140	4.14	20	
Pentachlorophenol (SIM)	47.0	25	µg/L	50.0		94.1	40-140	3.19	20	
Phenanthrene (SIM)	44.0	1.2	µg/L	50.0		88.1	40-140	3.73	20	
Pyrene (SIM)	42.7	25	µg/L	50.0		85.4	40-140	4.47	20	
Surrogate: 2-Fluorophenol	*90.6*		µg/L	200		45.3	15-110			
Surrogate: Phenol-d6	*95.2*		µg/L	200		47.6	15-110			
Surrogate: Nitrobenzene-d5	*95.9*		µg/L	100		95.9	30-130			
Surrogate: 2-Fluorobiphenyl	*78.4*		µg/L	101		77.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*145*		µg/L	200		72.6	15-110			
Surrogate: p-Terphenyl-d14	*66.1*		µg/L	101		65.4	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200037 - SW-846 3510C										
Blank (B200037-BLK1)				Prepared: 04/03/18 Analyzed: 04/04/18						
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	*1.25*		µg/L	2.00		62.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.21*		µg/L	2.00		60.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/L	2.00		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/L	2.00		84.7	30-150			
LCS (B200037-BS1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Aroclor-1016	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260	0.46	0.20	µg/L	0.500		92.1	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		89.8	40-140			
Surrogate: Decachlorobiphenyl	*1.36*		µg/L	2.00		67.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.35*		µg/L	2.00		67.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.68*		µg/L	2.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.75*		µg/L	2.00		87.5	30-150			
LCS Dup (B200037-BSD1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Aroclor-1016	0.52	0.20	µg/L	0.500		105	40-140	3.06	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		110	40-140	6.83	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		92.2	40-140	0.0304	20	
Aroclor-1260 [2C]	0.47	0.20	µg/L	0.500		93.3	40-140	3.78	20	
Surrogate: Decachlorobiphenyl	*0.800*		µg/L	2.00		40.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.801*		µg/L	2.00		40.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.61*		µg/L	2.00		80.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.68*		µg/L	2.00		83.9	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B199941 - SW-846 3510C										
Blank (B199941-BLK1)				Prepared: 04/02/18 Analyzed: 04/03/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0823*		mg/L	0.100		82.3	50-150			
LCS (B199941-BS1)				Prepared: 04/02/18 Analyzed: 04/03/18						
CT ETPH	0.618	0.075	mg/L	1.00		61.8	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0661*		mg/L	0.100		66.1	50-150			
LCS Dup (B199941-BSD1)				Prepared: 04/02/18 Analyzed: 04/03/18						
CT ETPH	0.670	0.075	mg/L	1.00		67.0	60-120	8.07	30	
Surrogate: 2-Fluorobiphenyl	*0.0726*		mg/L	0.100		72.6	50-150			

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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 B200000 - SW-846 3005A										
Blank (B200000-BLK1)				Prepared & Analyzed: 04/03/18						
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 (B200000-BS1)				Prepared & Analyzed: 04/03/18						
Arsenic	569	4.0	µg/L	500		114	80-120			
Barium	555	100	µg/L	500		111	80-120			
Cadmium	560	5.0	µg/L	500		112	80-120			
Chromium	586	10	µg/L	500		117	80-120			
Lead	561	10	µg/L	500		112	80-120			
Selenium	557	50	µg/L	500		111	80-120			
Silver	567	5.0	µg/L	500		113	80-120			
LCS Dup (B200000-BSD1)				Prepared & Analyzed: 04/03/18						
Arsenic	560	4.0	µg/L	500		112	80-120	1.64	20	
Barium	545	100	µg/L	500		109	80-120	1.64	20	
Cadmium	547	5.0	µg/L	500		109	80-120	2.31	20	
Chromium	573	10	µg/L	500		115	80-120	2.36	20	
Lead	546	10	µg/L	500		109	80-120	2.80	20	
Selenium	551	50	µg/L	500		110	80-120	1.08	20	
Silver	563	5.0	µg/L	500		113	80-120	0.775	20	
Batch B200084 - SW-846 7470A Prep										
Blank (B200084-BLK1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Mercury	ND	0.00010	mg/L							
LCS (B200084-BS1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Mercury	0.00181	0.00010	mg/L	0.00200		90.4	80-120			
LCS Dup (B200084-BSD1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Mercury	0.00186	0.00010	mg/L	0.00200		92.9	80-120	2.77	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 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.
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.
S-17	Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.
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-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
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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 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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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	
Acenaphthene	CT,NY,NH
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
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
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
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
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	04/1/2019
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

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http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 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 = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
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 #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	10 Reactive Cyanide, Sulfide										
								3	2	2	2	1	1										
								H	I	I	I	N	I										
								V	A	A	A	P	P										
1	MW-TRW1	3/30/18	0900		X	GW	U	X	X	X		X											
2	MW-T3		1020							X													
3	MW-15		915					X	X	X													
4	MW-AIR-1		1020								X												
5	MW-200		1140					X	X	X													
6	MW-CCA5		1220					X	X	X													
7	TRIP Blank		—					X															

ANALYSIS REQUESTED

[2] Preservation Code	
[3] Container Code	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: (1) Please bill Weston & Sampson 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: 3/30/18
Received by: (signature)	Date/Time: 3/30/18 1400
Relinquished by: (signature)	Date/Time: 3/30/18 1700
Received by: (signature)	Date/Time: 3/30/18 17:00
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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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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 W+S

Received By SE Date 3/30/18 Time 17:00

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 - 3.0, 4.1 By Blank # ____ Actual Temp - ____

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

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

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

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

Did COC include all pertinent Information? Client T 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 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? T On COC? T

Do all samples have the proper pH? T Acid pH<2 Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	20	1 Liter Plastic		16 oz Amb.	
HCL-	14	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:

-Received in 2 coolers

D:\HPCHEM\1\DATA\A040518.SEC\A0405019.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0405019.D
Data File Path	D:\HPCHEM\1\DATA\A040518.SEC\
Operator	RMW
Date Acquired	4/5/2018 11:46
Acq. Method File	ETPH06.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Avg Response	*%D +/-20
c - 9	1.18	670728	712554	6
c - 10	1.52	685231	712554	4
c - 12	2.23	699551	712554	2
c - 14	2.89	720812	712554	-1
c - 16	3.49	732797	712554	-3
c - 18	4.07	733737	712554	-3
c - 20	4.69	739331	712554	-4
c - 22	5.20	740230	712554	-4
c - 24	5.64	731290	712554	-3
c - 26	6.04	723371	712554	-2
c - 28	6.39	720671	712554	-1
c - 30	6.73	723970	712554	-2
c - 32	7.04	697803	712554	2
c - 34	7.33	685383	712554	4
c - 36	7.61	683400	712554	4

*One compound allowed %D </=50%

Samples

18C1276-01
18C1276-02
18C1276-03
18C1276-04
18C1276-05
18C1266-03
18C1266-05
18C1266-06
18C1266-01
18C1277-16
18C1277-15

D:\HPCHEM\1\DATA\A040518.SEC\A0405089.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0405089.D
Data File Path	D:\HPCHEM\1\DATA\A040518.SEC\
Operator	RMW
Date Acquired	4/5/2018 10:58
Acq. Method File	ETPH06.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Avg Response	*%D +/-20
c - 9	1.18	603855	638386	5
c - 10	1.52	617778	638386	3
c - 12	2.23	631394	638386	1
c - 14	2.89	648818	638386	-2
c - 16	3.49	657586	638386	-3
c - 18	4.07	657033	638386	-3
c - 20	4.68	660585	638386	-3
c - 22	5.20	662094	638386	-4
c - 24	5.64	655458	638386	-3
c - 26	6.03	649879	638386	-2
c - 28	6.39	649079	638386	-2
c - 30	6.73	652958	638386	-2
c - 32	7.04	626331	638386	2
c - 34	7.33	606031	638386	5
c - 36	7.61	596908	638386	6

Samples
18D0104-01
18D0107-01@10X
18D0110-01@10X

*One compound allowed %D </=50%

D:\HPCHEM\1\DATA\A040518.SEC\A0405107.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0405107.D
Data File Path	D:\HPCHEM\1\DATA\A040518.SEC\
Operator	RMW
Date Acquired	4/6/2018 1:37
Acq. Method File	ETPH06.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Avg Response	*%D +/-20
c - 9	1.18	727849	766020	5
c - 10	1.52	737168	766020	4
c - 12	2.23	751441	766020	2
c - 14	2.89	773256	766020	-1
c - 16	3.49	786432	766020	-3
c - 18	4.07	787932	766020	-3
c - 20	4.68	793291	766020	-4
c - 22	5.20	795722	766020	-4
c - 24	5.64	788151	766020	-3
c - 26	6.03	781901	766020	-2
c - 28	6.39	781574	766020	-2
c - 30	6.73	786276	766020	-3
c - 32	7.04	753957	766020	2
c - 34	7.33	729202	766020	5
c - 36	7.61	716147	766020	7

Samples

18C1277-12
18C1277-14
18C1266-02@5X

*One compound allowed %D </=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18C1266

Laboratory Sample ID(s):

18C1266-01 thru 18C1266-07

Sample Date(s):

03/30/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020A-B, SW-846 7470A, 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.

Lisa A. Worthington

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:** 04/09/18

Name of Laboratory: Con-Test Analytical Laboratory

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