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 Primary Program: Voluntary Remediation Program *Rem ID: CTD981205263 (required)	☐ LUST UST Facility ID: (if applicable) 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: 10/10/2018

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

October 10, 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 – 3rd 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 nine (9) monitor wells including MW-CCA2, MW-CCA4, MW-CCA5, MW-15, MW-16, MW-200, MW-201, MW-202, MW-203, 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.

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

September 27, 2018

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

Project Location: Simsbury AWC
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18I0925

Enclosed are results of analyses for samples received by the laboratory on September 20, 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: 9/27/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18I0925

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

PROJECT LOCATION: Simsbury AWC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-16	18I0925-01	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-15	18I0925-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-2	18I0925-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-4	18I0925-04	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-201	18I0925-05	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
Dup-1	18I0925-06	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
Trip Blank	18I0925-07	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 6020, only a select list of metals was requested and reported.

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:

Hexachlorobutadiene
B213013-BS1

V-05

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
18I0925-01[MW-16], 18I0925-02[MW-15], 18I0925-03[CCA-2], 18I0925-05[MW-201], 18I0925-06[Dup-1], 18I0925-07[Trip Blank], B213013-BLK1, B213013-BS1, S027594-CCV1

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:

Hexachlorobutadiene
B213013-BS1, S027594-CCV1

SW-846 8270D

Qualifications:

V-04

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

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

Hexachlorocyclopentadiene
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-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:

3,3-Dichlorobenzidine
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

4-Chloroaniline
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

Aniline
18I0925-01[MW-16], 18I0925-04[CCA-4], 18I0925-06[Dup-1], B213141-BLK1, B213141-BS1, B213141-BSD1

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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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

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	9/21/18	9/21/18 19:30	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

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	9/21/18	9/21/18 19:30	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.6	70-130		9/21/18 19:30
Toluene-d8	99.0	70-130		9/21/18 19:30
4-Bromofluorobenzene	98.2	70-130		9/21/18 19:30

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

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	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Acenaphthylene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Aniline	ND	4.8	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Anthracene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(a)anthracene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(a)pyrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(b)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(g,h,i)perylene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Benzo(k)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Bis(2-chloroethoxy)methane	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Bis(2-chloroethyl)ether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Bis(2-chloroisopropyl)ether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Bis(2-Ethylhexyl)phthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Bromophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Butylbenzylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Carbazole	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Chloroaniline	ND	9.6	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Chloro-3-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Chloronaphthalene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Chlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Chlorophenylphenylether	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Chrysene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Dibenz(a,h)anthracene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Di-n-butylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
3,3-Dichlorobenzidine	ND	9.6	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Diethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dimethylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Dimethylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4,6-Dinitro-2-methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dinitrophenol	ND	9.6	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,6-Dinitrotoluene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: MW-16 | Sampled: 9/20/2018 08:15
Sample ID: 18I0925-01
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Fluorene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Hexachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Hexachlorobutadiene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Hexachlorocyclopentadiene	ND	9.6	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Hexachloroethane	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Indeno(1,2,3-cd)pyrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Isophorone	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Methylnaphthalene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
2-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
3/4-Methylphenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Naphthalene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
2-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
3-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Nitroaniline	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pentachlorophenol (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Nitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
4-Nitrophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
N-Nitrosodiphenylamine	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
N-Nitrosodi-n-propylamine	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pentachloronitrobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pentachlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Phenanthrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Phenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pyrene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	9/24/18	9/26/18 20:35	CJM
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
1,2,4,5-Tetrachlorobenzene	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4,5-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT
2,4,6-Trichlorophenol	ND	9.6	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:00	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.0	15-110		9/26/18 15:00
2-Fluorophenol (SIM)	38.8	15-110		9/26/18 20:35
Phenol-d6	26.0	15-110		9/26/18 15:00
Phenol-d6 (SIM)	27.4	15-110		9/26/18 20:35

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		62.9	30-130					9/26/18 20:35	
Nitrobenzene-d5		65.2	30-130					9/26/18 15:00	
2-Fluorobiphenyl		71.3	30-130					9/26/18 15:00	
2-Fluorobiphenyl		64.7	30-130					9/26/18 20:35	
2,4,6-Tribromophenol		75.8	15-110					9/26/18 15:00	
2,4,6-Tribromophenol (SIM)		74.4	15-110					9/26/18 20:35	
p-Terphenyl-d14		66.1	30-130					9/26/18 20:35	
p-Terphenyl-d14		85.0	30-130					9/26/18 15:00	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

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	9/21/18	9/27/18 2:45	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 2:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	98.2	30-150		9/27/18 2:45	
Decachlorobiphenyl [2]	104	30-150		9/27/18 2:45	
Tetrachloro-m-xylene [1]	90.0	30-150		9/27/18 2:45	
Tetrachloro-m-xylene [2]	84.8	30-150		9/27/18 2:45	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.074	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 12:48	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	78.5	50-150				9/24/18 12:48	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-16 | Sampled: 9/20/2018 08:15

Sample ID: 18I0925-01

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 6020B	9/25/18	9/26/18 11:17	WSD
Barium	ND	50	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Chromium, Trivalent	0.0		mg/L	5		Tri Chrome Calc.	9/25/18	9/26/18 11:17	WSD
Copper	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/21/18	9/24/18 12:34	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:17	WSD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: MW-16 | Sampled: 9/20/2018 08:15
Sample ID: 18I0925-01
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	9/20/18	9/20/18 21:49	LED

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: MW-15 | Sampled: 9/20/2018 09:20
Sample ID: 18I0925-02
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	9/21/18	9/21/18 19:57	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-15 | Sampled: 9/20/2018 09:20

Sample ID: 18I0925-02

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	9/21/18	9/21/18 19:57	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 19:57	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.1	70-130		9/21/18 19:57
Toluene-d8	99.8	70-130		9/21/18 19:57
4-Bromofluorobenzene	98.4	70-130		9/21/18 19:57

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-15 | Sampled: 9/20/2018 09:20

Sample ID: 18I0925-02

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	9/21/18	9/27/18 3:03	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.9	30-150		9/27/18 3:03
Decachlorobiphenyl [2]	85.9	30-150		9/27/18 3:03
Tetrachloro-m-xylene [1]	92.1	30-150		9/27/18 3:03
Tetrachloro-m-xylene [2]	87.4	30-150		9/27/18 3:03

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-15 | Sampled: 9/20/2018 09:20

Sample ID: 18I0925-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.12	0.075	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:05	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	83.3	50-150				9/24/18 13:05	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

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	9/21/18	9/21/18 20:23	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

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	9/21/18	9/21/18 20:23	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.0	70-130		9/21/18 20:23
Toluene-d8	99.8	70-130		9/21/18 20:23
4-Bromofluorobenzene	99.1	70-130		9/21/18 20:23

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

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	9/21/18	9/27/18 3:21	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/27/18 3:21
Decachlorobiphenyl [2]	109	30-150		9/27/18 3:21
Tetrachloro-m-xylene [1]	95.4	30-150		9/27/18 3:21
Tetrachloro-m-xylene [2]	90.9	30-150		9/27/18 3:21

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-2 | Sampled: 9/20/2018 10:30

Sample ID: 18I0925-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.075	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:22	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	83.0	50-150				9/24/18 13:22	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40
Sample ID: 18I0925-04
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	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Acenaphthene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Acenaphthylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Acenaphthylene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(a)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(a)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(b)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(g,h,i)perylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Benzo(k)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Carbazole	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Chrysene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Dibenz(a,h)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dinitrophenol	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Fluorene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Indeno(1,2,3-cd)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Methylnaphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Naphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Phenanthrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:04	CJM
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:24	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.8	15-110		9/26/18 15:24
2-Fluorophenol (SIM)	35.4	15-110		9/26/18 21:04
Phenol-d6	27.5	15-110		9/26/18 15:24
Phenol-d6 (SIM)	25.6	15-110		9/26/18 21:04

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		60.2	30-130					9/26/18 15:24	
Nitrobenzene-d5		57.7	30-130					9/26/18 21:04	
2-Fluorobiphenyl		59.6	30-130					9/26/18 21:04	
2-Fluorobiphenyl		68.5	30-130					9/26/18 15:24	
2,4,6-Tribromophenol		62.6	15-110					9/26/18 15:24	
2,4,6-Tribromophenol (SIM)		72.5	15-110					9/26/18 21:04	
p-Terphenyl-d14		85.3	30-130					9/26/18 15:24	
p-Terphenyl-d14		62.8	30-130					9/26/18 21:04	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.081	0.075	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:40	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	75.2	50-150				9/24/18 13:40	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

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 6020B	9/25/18	9/26/18 11:20	WSD
Barium	ND	50	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Chromium, Trivalent	0.0		mg/L	5		Tri Chrome Calc.	9/25/18	9/26/18 11:20	WSD
Copper	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/21/18	9/24/18 12:36	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:20	WSD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: CCA-4 | Sampled: 9/20/2018 11:40

Sample ID: 18I0925-04

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	9/20/18	9/20/18 21:49	LED

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

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	9/21/18	9/21/18 20:50	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

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	9/21/18	9/21/18 20:50	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 20:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	78.6	70-130		9/21/18 20:50
Toluene-d8	99.5	70-130		9/21/18 20:50
4-Bromofluorobenzene	95.8	70-130		9/21/18 20:50

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

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	9/21/18	9/27/18 3:39	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.7	30-150		9/27/18 3:39
Decachlorobiphenyl [2]	98.4	30-150		9/27/18 3:39
Tetrachloro-m-xylene [1]	89.4	30-150		9/27/18 3:39
Tetrachloro-m-xylene [2]	84.3	30-150		9/27/18 3:39

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: MW-201 | Sampled: 9/20/2018 12:30

Sample ID: 18I0925-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.084	0.074	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 13:57	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	87.6	50-150				9/24/18 13:57	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

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	9/21/18	9/21/18 21:16	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

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	9/21/18	9/21/18 21:16	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 21:16	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.2	70-130		9/21/18 21:16
Toluene-d8	99.1	70-130		9/21/18 21:16
4-Bromofluorobenzene	101	70-130		9/21/18 21:16

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Acenaphthene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Acenaphthylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Acenaphthylene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(a)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(a)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(b)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(g,h,i)perylene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Benzo(k)fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Carbazole	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Chrysene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Dibenz(a,h)anthracene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dinitrophenol	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925
Date Received: 9/20/2018
Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00
Sample ID: 18I0925-06
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Fluoranthene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Fluorene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-04	SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Indeno(1,2,3-cd)pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Methylnaphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Naphthalene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Phenanthrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pyrene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/24/18	9/26/18 21:33	CJM
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/24/18	9/26/18 15:48	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.9	15-110		9/26/18 15:48
2-Fluorophenol (SIM)	30.2	15-110		9/26/18 21:33
Phenol-d6	32.2	15-110		9/26/18 15:48
Phenol-d6 (SIM)	29.0	15-110		9/26/18 21:33

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		64.7	30-130					9/26/18 21:33	
Nitrobenzene-d5		68.0	30-130					9/26/18 15:48	
2-Fluorobiphenyl		70.9	30-130					9/26/18 15:48	
2-Fluorobiphenyl		66.2	30-130					9/26/18 21:33	
2,4,6-Tribromophenol		70.1	15-110					9/26/18 15:48	
2,4,6-Tribromophenol (SIM)		69.1	15-110					9/26/18 21:33	
p-Terphenyl-d14		65.9	30-130					9/26/18 21:33	
p-Terphenyl-d14		81.6	30-130					9/26/18 15:48	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

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	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/21/18	9/27/18 3:58	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	108	30-150			9/27/18 3:58
Decachlorobiphenyl [2]	113	30-150			9/27/18 3:58
Tetrachloro-m-xylene [1]	96.8	30-150			9/27/18 3:58
Tetrachloro-m-xylene [2]	89.6	30-150			9/27/18 3:58

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.076	mg/L	1		CTDEP ETPH	9/21/18	9/24/18 14:14	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	85.4	50-150				9/24/18 14:14	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

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 6020B	9/25/18	9/26/18 11:24	WSD
Barium	ND	50	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Chromium, Trivalent	0.0		mg/L	5		Tri Chrome Calc.	9/25/18	9/26/18 11:24	WSD
Copper	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/21/18	9/24/18 12:37	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020B	9/25/18	9/26/18 11:24	WSD

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Dup-1 | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-06

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	9/20/18	9/20/18 21:49	LED

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Trip Blank | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-07

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	9/21/18	9/21/18 18:11	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18I0925

Date Received: 9/20/2018

Field Sample #: Trip Blank | Sampled: 9/20/2018 00:00

Sample ID: 18I0925-07

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	9/21/18	9/21/18 18:11	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/21/18	9/21/18 18:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.8	70-130		9/21/18 18:11
Toluene-d8	100	70-130		9/21/18 18:11
4-Bromofluorobenzene	98.5	70-130		9/21/18 18:11

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213034	1020	1.00	09/21/18
18I0925-02 [MW-15]	B213034	1000	1.00	09/21/18
18I0925-03 [CCA-2]	B213034	1000	1.00	09/21/18
18I0925-04 [CCA-4]	B213034	1000	1.00	09/21/18
18I0925-05 [MW-201]	B213034	1010	1.00	09/21/18
18I0925-06 [Dup-1]	B213034	990	1.00	09/21/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213250	50.0	50.0	09/25/18
18I0925-04 [CCA-4]	B213250	50.0	50.0	09/25/18
18I0925-06 [Dup-1]	B213250	50.0	50.0	09/25/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B212990	50.0	50.0	09/20/18
18I0925-04 [CCA-4]	B212990	50.0	50.0	09/20/18
18I0925-06 [Dup-1]	B212990	50.0	50.0	09/20/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213066	6.00	6.00	09/21/18
18I0925-04 [CCA-4]	B213066	6.00	6.00	09/21/18
18I0925-06 [Dup-1]	B213066	6.00	6.00	09/21/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213068	990	9.90	09/21/18
18I0925-02 [MW-15]	B213068	1000	10.0	09/21/18
18I0925-03 [CCA-2]	B213068	980	9.80	09/21/18
18I0925-05 [MW-201]	B213068	1000	10.0	09/21/18
18I0925-06 [Dup-1]	B213068	1040	10.0	09/21/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213013	5	5.00	09/21/18
18I0925-02 [MW-15]	B213013	5	5.00	09/21/18
18I0925-03 [CCA-2]	B213013	5	5.00	09/21/18
18I0925-05 [MW-201]	B213013	5	5.00	09/21/18
18I0925-06 [Dup-1]	B213013	5	5.00	09/21/18
18I0925-07 [Trip Blank]	B213013	5	5.00	09/21/18

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213141	1040	1.00	09/24/18
18I0925-04 [CCA-4]	B213141	980	1.00	09/24/18
18I0925-06 [Dup-1]	B213141	980	1.00	09/24/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0925-01 [MW-16]	B213376	1040	1.00	09/24/18
18I0925-04 [CCA-4]	B213376	980	1.00	09/24/18
18I0925-06 [Dup-1]	B213376	980	1.00	09/24/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Date
18I0925-01 [MW-16]	B213250	50.0	09/25/18
18I0925-04 [CCA-4]	B213250	50.0	09/25/18
18I0925-06 [Dup-1]	B213250	50.0	09/25/18

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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 B213013 - SW-846 5030B										
Blank (B213013-BLK1)				Prepared & Analyzed: 09/21/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							V-05
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B213013 - SW-846 5030B										
Blank (B213013-BLK1)				Prepared & Analyzed: 09/21/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	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	*19.6*		µg/L	25.0		78.3	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.7	70-130			
LCS (B213013-BS1)				Prepared & Analyzed: 09/21/18						
Acetone	119	10	µg/L	100		119	70-130			
Acrylonitrile	8.58	2.0	µg/L	10.0		85.8	70-130			
Benzene	9.88	0.50	µg/L	10.0		98.8	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	9.48	0.50	µg/L	10.0		94.8	70-130			
Bromoform	10.9	0.50	µg/L	10.0		109	70-130			
Bromomethane	9.21	1.0	µg/L	10.0		92.1	70-130			
2-Butanone (MEK)	109	5.0	µg/L	100		109	70-130			
n-Butylbenzene	11.3	1.0	µg/L	10.0		113	70-130			
sec-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
tert-Butylbenzene	11.3	1.0	µg/L	10.0		113	70-130			
Carbon Disulfide	10.5	5.0	µg/L	10.0		105	70-130			
Carbon Tetrachloride	8.46	0.50	µg/L	10.0		84.6	70-130			
Chlorobenzene	11.0	0.50	µg/L	10.0		110	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroethane	8.69	0.50	µg/L	10.0		86.9	70-130			
Chloroform	9.17	0.50	µg/L	10.0		91.7	70-130			
Chloromethane	9.04	0.60	µg/L	10.0		90.4	70-130			
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.42	0.50	µg/L	10.0		94.2	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dichlorobenzene	10.9	0.50	µg/L	10.0		109	70-130			
1,3-Dichlorobenzene	11.5	0.50	µg/L	10.0		115	70-130			
1,4-Dichlorobenzene	10.7	0.50	µg/L	10.0		107	70-130			
trans-1,4-Dichloro-2-butene	10.1	2.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	7.58	0.50	µg/L	10.0		75.8	70-130			V-05
1,1-Dichloroethane	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichloroethane	8.41	0.50	µg/L	10.0		84.1	70-130			
1,1-Dichloroethylene	8.67	0.50	µg/L	10.0		86.7	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 B213013 - SW-846 5030B											
LCS (B213013-BS1)				Prepared & Analyzed: 09/21/18							
cis-1,2-Dichloroethylene	9.40	0.50	µg/L	10.0		94.0		70-130			
trans-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0		90.5		70-130			
1,2-Dichloropropane	10.9	0.50	µg/L	10.0		109		70-130			
1,3-Dichloropropane	9.54	0.50	µg/L	10.0		95.4		70-130			
2,2-Dichloropropane	9.82	0.50	µg/L	10.0		98.2		70-130			
1,1-Dichloropropene	9.48	0.50	µg/L	10.0		94.8		70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130			
Ethylbenzene	11.1	0.50	µg/L	10.0		111		70-130			
Hexachlorobutadiene	13.2	0.60	µg/L	10.0		**132**	*	70-130			L-01, V-36
2-Hexanone (MBK)	100	5.0	µg/L	100		100		70-130			
Isopropylbenzene (Cumene)	11.7	0.50	µg/L	10.0		117		70-130			
p-Isopropyltoluene (p-Cymene)	11.5	0.50	µg/L	10.0		115		70-130			
Methyl tert-Butyl Ether (MTBE)	9.05	0.50	µg/L	10.0		90.5		70-130			
Methylene Chloride	8.34	5.0	µg/L	10.0		83.4		70-130			
4-Methyl-2-pentanone (MIBK)	92.6	5.0	µg/L	100		92.6		70-130			
Naphthalene	10.8	2.0	µg/L	10.0		108		70-130			
n-Propylbenzene	10.7	1.0	µg/L	10.0		107		70-130			
Styrene	11.4	1.0	µg/L	10.0		114		70-130			
1,1,1,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130			
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111		70-130			
Tetrahydrofuran	9.41	10	µg/L	10.0		94.1		70-130			
Toluene	10.8	1.0	µg/L	10.0		108		70-130			
1,2,3-Trichlorobenzene	11.2	0.50	µg/L	10.0		112		70-130			
1,2,4-Trichlorobenzene	11.3	0.50	µg/L	10.0		113		70-130			
1,1,1-Trichloroethane	9.07	0.50	µg/L	10.0		90.7		70-130			
1,1,2-Trichloroethane	10.5	0.50	µg/L	10.0		105		70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Trichlorofluoromethane (Freon 11)	7.75	2.0	µg/L	10.0		77.5		70-130			
1,2,3-Trichloropropane	10.6	0.50	µg/L	10.0		106		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.89	0.50	µg/L	10.0		98.9		70-130			
1,2,4-Trimethylbenzene	10.5	0.50	µg/L	10.0		105		70-130			
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107		70-130			
Vinyl Chloride	9.00	1.0	µg/L	10.0		90.0		70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108		70-130			
o-Xylene	10.8	1.0	µg/L	10.0		108		70-130			
Surrogate: 1,2-Dichloroethane-d4	*19.6*		µg/L	25.0		78.5		70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3		70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100		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 B213141 - SW-846 3510C										
Blank (B213141-BLK1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							V-34
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-04
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

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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 B213141 - SW-846 3510C											
Blank (B213141-BLK1)				Prepared: 09/24/18 Analyzed: 09/26/18							
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								
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*98.3*		µg/L	200		49.2	15-110				
Surrogate: Phenol-d6	*68.2*		µg/L	200		34.1	15-110				
Surrogate: Nitrobenzene-d5	*72.6*		µg/L	100		72.6	30-130				
Surrogate: 2-Fluorobiphenyl	*74.4*		µg/L	100		74.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*154*		µg/L	200		77.0	15-110				
Surrogate: p-Terphenyl-d14	*91.9*		µg/L	100		91.9	30-130				
LCS (B213141-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18							
Acenaphthene	32.9	5.0	µg/L	50.0		65.8	40-140				
Acenaphthylene	33.8	5.0	µg/L	50.0		67.6	40-140				
Aniline	31.6	5.0	µg/L	50.0		63.1	40-140			V-34	†
Anthracene	34.6	5.0	µg/L	50.0		69.2	40-140				
Benzo(a)anthracene	37.2	5.0	µg/L	50.0		74.4	40-140				
Benzo(a)pyrene	37.1	5.0	µg/L	50.0		74.2	40-140				
Benzo(b)fluoranthene	34.6	5.0	µg/L	50.0		69.2	40-140				
Benzo(g,h,i)perylene	40.6	5.0	µg/L	50.0		81.2	40-140				
Benzo(k)fluoranthene	35.6	5.0	µg/L	50.0		71.2	40-140				
Bis(2-chloroethoxy)methane	40.3	10	µg/L	50.0		80.5	40-140				
Bis(2-chloroethyl)ether	37.7	10	µg/L	50.0		75.3	40-140				
Bis(2-chloroisopropyl)ether	40.9	10	µg/L	50.0		81.8	40-140				
Bis(2-Ethylhexyl)phthalate	37.0	10	µg/L	50.0		74.1	40-140				
4-Bromophenylphenylether	38.5	10	µg/L	50.0		76.9	40-140				
Butylbenzylphthalate	39.8	10	µg/L	50.0		79.6	40-140				
Carbazole	31.7	10	µg/L	50.0		63.5	40-140				
4-Chloroaniline	34.7	10	µg/L	50.0		69.5	40-140			V-34	†
4-Chloro-3-methylphenol	38.0	10	µg/L	50.0		76.1	30-130				
2-Chloronaphthalene	31.8	10	µg/L	50.0		63.5	40-140				
2-Chlorophenol	35.7	10	µg/L	50.0		71.3	30-130				
4-Chlorophenylphenylether	37.2	10	µg/L	50.0		74.4	40-140				
Chrysene	36.0	5.0	µg/L	50.0		72.0	40-140				
Dibenz(a,h)anthracene	38.6	5.0	µg/L	50.0		77.2	40-140				
Dibenzofuran	35.3	5.0	µg/L	50.0		70.6	40-140				
Di-n-butylphthalate	33.5	10	µg/L	50.0		66.9	40-140				
3,3-Dichlorobenzidine	41.4	10	µg/L	50.0		82.8	40-140			V-34	†
2,4-Dichlorophenol	32.8	10	µg/L	50.0		65.6	30-130				
Diethylphthalate	35.2	10	µg/L	50.0		70.3	40-140				
2,4-Dimethylphenol	39.0	10	µg/L	50.0		78.1	30-130				
Dimethylphthalate	36.5	10	µg/L	50.0		73.1	40-140				
4,6-Dinitro-2-methylphenol	35.4	10	µg/L	50.0		70.9	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B213141 - SW-846 3510C											
LCS (B213141-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18							
2,4-Dinitrophenol	34.8	10	µg/L	50.0		69.5	30-130			V-04	
2,4-Dinitrotoluene	35.0	10	µg/L	50.0		70.0	40-140				
2,6-Dinitrotoluene	37.3	10	µg/L	50.0		74.5	40-140				
Di-n-octylphthalate	36.7	10	µg/L	50.0		73.4	40-140				
Fluoranthene	31.4	5.0	µg/L	50.0		62.7	40-140				
Fluorene	34.6	5.0	µg/L	50.0		69.2	40-140				
Hexachlorobenzene	38.5	10	µg/L	50.0		77.0	40-140				
Hexachlorobutadiene	33.6	10	µg/L	50.0		67.1	40-140				
Hexachlorocyclopentadiene	29.1	10	µg/L	50.0		58.3	30-140			V-04	
Hexachloroethane	32.5	10	µg/L	50.0		65.0	40-140				
Indeno(1,2,3-cd)pyrene	39.8	5.0	µg/L	50.0		79.6	40-140				
Isophorone	38.0	10	µg/L	50.0		76.1	40-140				
2-Methylnaphthalene	36.9	5.0	µg/L	50.0		73.8	40-140				
2-Methylphenol	36.1	10	µg/L	50.0		72.3	30-130				
3/4-Methylphenol	33.8	10	µg/L	50.0		67.6	30-130				
Naphthalene	33.0	5.0	µg/L	50.0		65.9	40-140				
2-Nitroaniline	34.4	10	µg/L	50.0		68.8	40-140				
3-Nitroaniline	35.4	10	µg/L	50.0		70.7	40-140				†
4-Nitroaniline	32.4	10	µg/L	50.0		64.9	40-140				
Nitrobenzene	32.6	10	µg/L	50.0		65.3	40-140				
2-Nitrophenol	36.3	10	µg/L	50.0		72.7	30-130				
4-Nitrophenol	23.9	10	µg/L	50.0		47.8	10-130				
N-Nitrosodiphenylamine	43.9	10	µg/L	50.0		87.9	40-140				
N-Nitrosodi-n-propylamine	38.4	10	µg/L	50.0		76.8	40-140				
Pentachloronitrobenzene	36.8	10	µg/L	50.0		73.7	40-140				
Pentachlorophenol	29.4	10	µg/L	50.0		58.9	30-130				
Phenanthrene	35.2	5.0	µg/L	50.0		70.5	40-140				
Phenol	18.6	10	µg/L	50.0		37.2	20-130				
Pyrene	41.6	5.0	µg/L	50.0		83.3	40-140				
Pyridine	15.5	5.0	µg/L	50.0		31.0	10-140				†
1,2,4,5-Tetrachlorobenzene	34.3	10	µg/L	50.0		68.6	40-140				
1,2,4-Trichlorobenzene	33.6	5.0	µg/L	50.0		67.2	40-140				
2,4,5-Trichlorophenol	37.7	10	µg/L	50.0		75.4	30-130				
2,4,6-Trichlorophenol	36.8	10	µg/L	50.0		73.7	30-130				
Surrogate: 2-Fluorophenol	*103*		µg/L	200		51.3	15-110				
Surrogate: Phenol-d6	*75.7*		µg/L	200		37.9	15-110				
Surrogate: Nitrobenzene-d5	*71.2*		µg/L	100		71.2	30-130				
Surrogate: 2-Fluorobiphenyl	*75.0*		µg/L	100		75.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*157*		µg/L	200		78.6	15-110				
Surrogate: p-Terphenyl-d14	*95.0*		µg/L	100		95.0	30-130				
LCS Dup (B213141-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18							
Acenaphthene	32.7	5.0	µg/L	50.0		65.4	40-140	0.518	20		
Acenaphthylene	33.4	5.0	µg/L	50.0		66.9	40-140	1.16	20		
Aniline	32.3	5.0	µg/L	50.0		64.5	40-140	2.16	50	V-34	† ‡
Anthracene	34.9	5.0	µg/L	50.0		69.8	40-140	0.921	20		
Benzo(a)anthracene	36.6	5.0	µg/L	50.0		73.2	40-140	1.71	20		
Benzo(a)pyrene	36.8	5.0	µg/L	50.0		73.6	40-140	0.758	20		
Benzo(b)fluoranthene	33.6	5.0	µg/L	50.0		67.2	40-140	2.93	20		
Benzo(g,h,i)perylene	40.1	5.0	µg/L	50.0		80.3	40-140	1.12	20		
Benzo(k)fluoranthene	34.8	5.0	µg/L	50.0		69.6	40-140	2.27	20		
Bis(2-chloroethoxy)methane	39.9	10	µg/L	50.0		79.8	40-140	0.898	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 B213141 - SW-846 3510C											
LCS Dup (B213141-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18							
Bis(2-chloroethyl)ether	37.6	10	µg/L	50.0		75.2	40-140	0.133	20		
Bis(2-chloroisopropyl)ether	41.1	10	µg/L	50.0		82.3	40-140	0.561	20		
Bis(2-Ethylhexyl)phthalate	36.6	10	µg/L	50.0		73.2	40-140	1.14	20		
4-Bromophenylphenylether	36.5	10	µg/L	50.0		73.0	40-140	5.31	20		
Butylbenzylphthalate	38.5	10	µg/L	50.0		77.0	40-140	3.32	20		
Carbazole	33.2	10	µg/L	50.0		66.3	40-140	4.41	20		
4-Chloroaniline	33.7	10	µg/L	50.0		67.3	40-140	3.13	20	V-34	†
4-Chloro-3-methylphenol	35.8	10	µg/L	50.0		71.6	30-130	6.15	20		
2-Chloronaphthalene	33.3	10	µg/L	50.0		66.6	40-140	4.73	20		
2-Chlorophenol	35.4	10	µg/L	50.0		70.9	30-130	0.619	20		
4-Chlorophenylphenylether	36.6	10	µg/L	50.0		73.3	40-140	1.57	20		
Chrysene	35.7	5.0	µg/L	50.0		71.4	40-140	0.921	20		
Dibenz(a,h)anthracene	38.2	5.0	µg/L	50.0		76.4	40-140	1.09	20		
Dibenzofuran	35.6	5.0	µg/L	50.0		71.1	40-140	0.649	20		
Di-n-butylphthalate	35.2	10	µg/L	50.0		70.4	40-140	5.01	20		
3,3-Dichlorobenzidine	41.1	10	µg/L	50.0		82.3	40-140	0.630	20	V-34	† ‡
2,4-Dichlorophenol	31.9	10	µg/L	50.0		63.8	30-130	2.81	20		
Diethylphthalate	35.4	10	µg/L	50.0		70.7	40-140	0.595	20		
2,4-Dimethylphenol	35.7	10	µg/L	50.0		71.5	30-130	8.83	20		
Dimethylphthalate	36.2	10	µg/L	50.0		72.3	40-140	1.02	50		
4,6-Dinitro-2-methylphenol	34.9	10	µg/L	50.0		69.7	30-130	1.68	50		
2,4-Dinitrophenol	33.4	10	µg/L	50.0		66.8	30-130	3.96	50	V-04	
2,4-Dinitrotoluene	35.4	10	µg/L	50.0		70.7	40-140	1.02	20		
2,6-Dinitrotoluene	36.4	10	µg/L	50.0		72.8	40-140	2.36	20		
Di-n-octylphthalate	35.5	10	µg/L	50.0		71.0	40-140	3.32	20		
Fluoranthene	34.6	5.0	µg/L	50.0		69.2	40-140	9.82	20		
Fluorene	34.2	5.0	µg/L	50.0		68.4	40-140	1.19	20		
Hexachlorobenzene	37.3	10	µg/L	50.0		74.6	40-140	3.11	20		
Hexachlorobutadiene	35.0	10	µg/L	50.0		70.0	40-140	4.26	20		
Hexachlorocyclopentadiene	29.2	10	µg/L	50.0		58.3	30-140	0.0343	50	V-04	
Hexachloroethane	33.4	10	µg/L	50.0		66.7	40-140	2.61	50		
Indeno(1,2,3-cd)pyrene	39.2	5.0	µg/L	50.0		78.5	40-140	1.39	50		
Isophorone	37.1	10	µg/L	50.0		74.1	40-140	2.58	20		
2-Methylnaphthalene	36.0	5.0	µg/L	50.0		72.0	40-140	2.41	20		
2-Methylphenol	34.0	10	µg/L	50.0		67.9	30-130	6.22	20		
3/4-Methylphenol	31.0	10	µg/L	50.0		61.9	30-130	8.77	20		
Naphthalene	33.6	5.0	µg/L	50.0		67.3	40-140	2.07	20		
2-Nitroaniline	34.0	10	µg/L	50.0		67.9	40-140	1.32	20		
3-Nitroaniline	35.8	10	µg/L	50.0		71.6	40-140	1.26	20		†
4-Nitroaniline	34.8	10	µg/L	50.0		69.5	40-140	6.88	20		
Nitrobenzene	33.3	10	µg/L	50.0		66.6	40-140	1.91	20		
2-Nitrophenol	36.0	10	µg/L	50.0		72.1	30-130	0.801	20		
4-Nitrophenol	24.0	10	µg/L	50.0		48.1	10-130	0.626	50		‡
N-Nitrosodiphenylamine	42.2	10	µg/L	50.0		84.3	40-140	4.16	20		
N-Nitrosodi-n-propylamine	36.4	10	µg/L	50.0		72.8	40-140	5.37	20		
Pentachloronitrobenzene	36.6	10	µg/L	50.0		73.1	40-140	0.790	20		
Pentachlorophenol	26.7	10	µg/L	50.0		53.3	30-130	9.88	50		
Phenanthrene	35.2	5.0	µg/L	50.0		70.3	40-140	0.227	20		
Phenol	17.3	10	µg/L	50.0		34.6	20-130	7.24	20		
Pyrene	37.8	5.0	µg/L	50.0		75.6	40-140	9.64	20		
Pyridine	19.5	5.0	µg/L	50.0		38.9	10-140	22.6	50		†
1,2,4,5-Tetrachlorobenzene	35.0	10	µg/L	50.0		70.0	40-140	2.08	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 B213141 - SW-846 3510C										
LCS Dup (B213141-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18						
1,2,4-Trichlorobenzene	34.1	5.0	µg/L	50.0		68.3	40-140	1.59	20	
2,4,5-Trichlorophenol	36.9	10	µg/L	50.0		73.8	30-130	2.20	20	
2,4,6-Trichlorophenol	36.5	10	µg/L	50.0		73.0	30-130	0.955	50	
Surrogate: 2-Fluorophenol	*100*		µg/L	200		50.1	15-110			
Surrogate: Phenol-d6	*70.7*		µg/L	200		35.4	15-110			
Surrogate: Nitrobenzene-d5	*71.7*		µg/L	100		71.7	30-130			
Surrogate: 2-Fluorobiphenyl	*75.6*		µg/L	100		75.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*158*		µg/L	200		79.2	15-110			
Surrogate: p-Terphenyl-d14	*86.8*		µg/L	100		86.8	30-130			
Batch B213376 - SW-846 3510C										
Blank (B213376-BLK1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
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	*73.9*		µg/L	200		36.9	15-110			
Surrogate: Phenol-d6	*55.5*		µg/L	200		27.7	15-110			
Surrogate: Nitrobenzene-d5	*66.5*		µg/L	100		66.5	30-130			
Surrogate: 2-Fluorobiphenyl	*66.0*		µg/L	100		66.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*167*		µg/L	200		83.4	15-110			
Surrogate: p-Terphenyl-d14	*65.9*		µg/L	100		65.9	30-130			
LCS (B213376-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene (SIM)	34.2	7.5	µg/L	50.0		68.4	40-140			
Acenaphthylene (SIM)	34.8	7.5	µg/L	50.0		69.5	40-140			
Anthracene (SIM)	37.4	5.0	µg/L	50.0		74.8	40-140			
Benzo(a)anthracene (SIM)	37.8	1.2	µg/L	50.0		75.7	40-140			
Benzo(a)pyrene (SIM)	40.6	2.5	µg/L	50.0		81.2	40-140			
Benzo(b)fluoranthene (SIM)	41.4	1.2	µg/L	50.0		82.8	40-140			
Benzo(g,h,i)perylene (SIM)	33.1	12	µg/L	50.0		66.2	40-140			
Benzo(k)fluoranthene (SIM)	39.6	5.0	µg/L	50.0		79.2	40-140			
Chrysene (SIM)	37.2	5.0	µg/L	50.0		74.3	40-140			
Dibenz(a,h)anthracene (SIM)	38.5	5.0	µg/L	50.0		77.0	40-140			
Fluoranthene (SIM)	36.4	12	µg/L	50.0		72.9	40-140			
Fluorene (SIM)	35.8	25	µg/L	50.0		71.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	36.7	5.0	µg/L	50.0		73.4	40-140			
2-Methylnaphthalene (SIM)	35.4	25	µg/L	50.0		70.9	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 B213376 - SW-846 3510C										
LCS (B213376-BS1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Naphthalene (SIM)	33.8	25	µg/L	50.0		67.6	40-140			
Pentachlorophenol (SIM)	31.3	25	µg/L	50.0		62.6	40-140			
Phenanthrene (SIM)	36.0	1.2	µg/L	50.0		72.0	40-140			
Pyrene (SIM)	36.1	25	µg/L	50.0		72.2	40-140			
Surrogate: 2-Fluorophenol	*54.1*		µg/L	200		27.0	15-110			
Surrogate: Phenol-d6	*57.4*		µg/L	200		28.7	15-110			
Surrogate: Nitrobenzene-d5	*63.2*		µg/L	100		63.2	30-130			
Surrogate: 2-Fluorobiphenyl	*59.4*		µg/L	100		59.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*91.2*		µg/L	200		45.6	15-110			
Surrogate: p-Terphenyl-d14	*60.1*		µg/L	100		60.1	30-130			
LCS Dup (B213376-BSD1)				Prepared: 09/24/18 Analyzed: 09/26/18						
Acenaphthene (SIM)	34.3	7.5	µg/L	50.0		68.6	40-140	0.292	20	
Acenaphthylene (SIM)	34.8	7.5	µg/L	50.0		69.5	40-140	0.00	20	
Anthracene (SIM)	38.4	5.0	µg/L	50.0		76.9	40-140	2.84	20	
Benzo(a)anthracene (SIM)	38.3	1.2	µg/L	50.0		76.6	40-140	1.25	20	
Benzo(a)pyrene (SIM)	40.8	2.5	µg/L	50.0		81.6	40-140	0.430	20	
Benzo(b)fluoranthene (SIM)	42.0	1.2	µg/L	50.0		83.9	40-140	1.38	20	
Benzo(g,h,i)perylene (SIM)	36.6	12	µg/L	50.0		73.2	40-140	10.2	20	
Benzo(k)fluoranthene (SIM)	39.9	5.0	µg/L	50.0		79.8	40-140	0.629	20	
Chrysene (SIM)	37.8	5.0	µg/L	50.0		75.5	40-140	1.60	20	
Dibenz(a,h)anthracene (SIM)	39.2	5.0	µg/L	50.0		78.4	40-140	1.87	20	
Fluoranthene (SIM)	37.6	12	µg/L	50.0		75.2	40-140	3.17	20	
Fluorene (SIM)	36.4	25	µg/L	50.0		72.7	40-140	1.66	20	
Indeno(1,2,3-cd)pyrene (SIM)	39.4	5.0	µg/L	50.0		78.8	40-140	6.96	20	‡
2-Methylnaphthalene (SIM)	34.8	25	µg/L	50.0		69.7	40-140	1.71	20	
Naphthalene (SIM)	32.8	25	µg/L	50.0		65.6	40-140	3.00	20	
Pentachlorophenol (SIM)	32.7	25	µg/L	50.0		65.4	40-140	4.53	20	
Phenanthrene (SIM)	36.0	1.2	µg/L	50.0		72.0	40-140	0.139	20	
Pyrene (SIM)	35.5	25	µg/L	50.0		71.0	40-140	1.67	20	
Surrogate: 2-Fluorophenol	*67.6*		µg/L	200		33.8	15-110			
Surrogate: Phenol-d6	*53.8*		µg/L	200		26.9	15-110			
Surrogate: Nitrobenzene-d5	*62.7*		µg/L	100		62.7	30-130			
Surrogate: 2-Fluorobiphenyl	*59.8*		µg/L	100		59.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*97.9*		µg/L	200		49.0	15-110			
Surrogate: p-Terphenyl-d14	*57.4*		µg/L	100		57.4	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 B213068 - SW-846 3510C										
Blank (B213068-BLK1)				Prepared: 09/21/18 Analyzed: 09/23/18						
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	*1.85*		µg/L	2.00		92.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.06*		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.80*		µg/L	2.00		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.79*		µg/L	2.00		89.6	30-150			
LCS (B213068-BS1)				Prepared: 09/21/18 Analyzed: 09/23/18						
Aroclor-1016	0.57	0.20	µg/L	0.500		114	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		109	40-140			
Aroclor-1260	0.44	0.20	µg/L	0.500		88.4	40-140			
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.5	40-140			
Surrogate: Decachlorobiphenyl	*1.74*		µg/L	2.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.90*		µg/L	2.00		94.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/L	2.00		82.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.4	30-150			
LCS Dup (B213068-BSD1)				Prepared: 09/21/18 Analyzed: 09/23/18						
Aroclor-1016	0.62	0.20	µg/L	0.500		123	40-140	7.86	20	
Aroclor-1016 [2C]	0.60	0.20	µg/L	0.500		121	40-140	9.89	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		99.1	40-140	11.4	20	
Aroclor-1260 [2C]	0.52	0.20	µg/L	0.500		105	40-140	8.33	20	
Surrogate: Decachlorobiphenyl	*1.99*		µg/L	2.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.14*		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*1.84*		µg/L	2.00		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/L	2.00		90.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B213034 - SW-846 3510C										
Blank (B213034-BLK1)				Prepared: 09/21/18 Analyzed: 09/22/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0839*		mg/L	0.100		83.9	50-150			
LCS (B213034-BS1)				Prepared: 09/21/18 Analyzed: 09/22/18						
CT ETPH	0.898	0.075	mg/L	1.00		89.8	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0894*		mg/L	0.100		89.4	50-150			
LCS Dup (B213034-BSD1)				Prepared: 09/21/18 Analyzed: 09/22/18						
CT ETPH	0.730	0.075	mg/L	1.00		73.0	60-120	20.7	30	
Surrogate: 2-Fluorobiphenyl	*0.0874*		mg/L	0.100		87.4	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 B213066 - SW-846 7470A Prep										
Blank (B213066-BLK1)				Prepared: 09/21/18 Analyzed: 09/24/18						
Mercury	ND	0.00010	mg/L							
LCS (B213066-BS1)				Prepared: 09/21/18 Analyzed: 09/24/18						
Mercury	0.00184	0.00010	mg/L	0.00200		91.9	80-120			
LCS Dup (B213066-BSD1)				Prepared: 09/21/18 Analyzed: 09/24/18						
Mercury	0.00185	0.00010	mg/L	0.00200		92.4	80-120	0.498	20	
Batch B213250 - SW-846 3005A										
Blank (B213250-BLK1)				Prepared: 09/25/18 Analyzed: 09/26/18						
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 (B213250-BS1)				Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	507	4.0	µg/L	500		101	80-120			
Barium	509	100	µg/L	500		102	80-120			
Cadmium	507	5.0	µg/L	500		101	80-120			
Chromium	521	10	µg/L	500		104	80-120			
Copper	1000	50	µg/L	1000		100	80-120			
Lead	503	10	µg/L	500		101	80-120			
Selenium	518	50	µg/L	500		104	80-120			
Silver	489	5.0	µg/L	500		97.8	80-120			
LCS Dup (B213250-BSD1)				Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	515	4.0	µg/L	500		103	80-120	1.50	20	
Barium	516	100	µg/L	500		103	80-120	1.35	20	
Cadmium	516	5.0	µg/L	500		103	80-120	1.84	20	
Chromium	530	10	µg/L	500		106	80-120	1.59	20	
Copper	1010	50	µg/L	1000		101	80-120	1.15	20	
Lead	513	10	µg/L	500		103	80-120	1.89	20	
Selenium	522	50	µg/L	500		104	80-120	0.712	20	
Silver	501	5.0	µg/L	500		100	80-120	2.45	20	
Duplicate (B213250-DUP1)	**Source: 18I0925-01**			Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	ND	2.0	µg/L		ND			NC	20	
Barium	ND	50	µg/L		ND			NC	20	
Cadmium	ND	2.5	µg/L		ND			NC	20	
Chromium	ND	5.0	µg/L		ND			NC	20	
Copper	ND	25	µg/L		ND			NC	20	
Lead	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	25	µg/L		ND			NC	20	
Silver	ND	2.5	µg/L		ND			NC	20	

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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 B213250 - SW-846 3005A										
Matrix Spike (B213250-MS1)	**Source: 18I0925-01**			Prepared: 09/25/18 Analyzed: 09/26/18						
Arsenic	512	4.0	µg/L	500	ND	102	75-125			
Barium	529	100	µg/L	500	ND	106	75-125			
Cadmium	527	5.0	µg/L	500	ND	105	75-125			
Chromium	532	10	µg/L	500	ND	106	75-125			
Copper	1030	50	µg/L	1000	ND	103	75-125			
Lead	516	10	µg/L	500	ND	103	75-125			
Selenium	517	50	µg/L	500	ND	103	75-125			
Silver	485	5.0	µg/L	500	ND	97.0	75-125			

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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 B212990 - SW-846 7196A										
Blank (B212990-BLK1)				Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B212990-BS1)				Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	0.098	0.0040	mg/L	0.100		98.1	80-120			
LCS Dup (B212990-BSD1)				Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		95.4	80-120	2.82	20	
Duplicate (B212990-DUP1)		**Source: 18I0925-06**		Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B212990-MS1)		**Source: 18I0925-06**		Prepared & Analyzed: 09/20/18						
Hexavalent Chromium	0.087	0.0040	mg/L	0.100	ND	87.2	75-125			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B213068-BS1 Date(s) Analyzed: 09/23/2018 09/23/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.55	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.48	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B213068-BSD1 Date(s) Analyzed: 09/23/2018 09/23/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.60	3.3
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.52	3.9

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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.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020B 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 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
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 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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
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	06/30/2019
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	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

18Io 425

con-test ANALYTICAL LABORATORY

MEK

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper
1	MW-16	9/20/18	815		X	GW	U	X	X	X	X	X	X
2	MW-15		920					X	X	X			
3	CCA-2		1030					X	X	X			
4	CCA-4		1140							X	X	X	X
5	~~[illegible]~~ MW-201		1230					X	X	X			
6	Dup-1		—					X	X	X	X	X	X
7	Trip Blank		—					X					

# 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, using Eversource rates.

Please send results to: yellenl@wseinc.com

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

Relinquished by: (signature) [signature] 9/20/18	Date/Time: 1800
Received by: (signature) [signature] 9-20-18	Date/Time: 1800
Relinquished by: (signature) [signature] 9-20-18	Date/Time: 1940
Received by: (signature) [signature] 9-20-18	Date/Time: 19:40 3.0
Relinquished by: (signature)	Date/Time: 4.4
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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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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 9-20-18 Time 19:40

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, 4.4
By Blank # ____ Actual Temp - ____

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	28	1 Liter Plastic		16 oz Amb.	
HCL-	~~F~~ 17	500 mL Amb.		500 mL Plastic	3	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	3	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:

X:\HPCHEM\1\DATA\A092418.SEC\A0924021.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0924021.D
Data File Path	X:\HPCHEM\1\DATA\A092418.SEC\
Operator	RMW
Date Acquired	9/24/2018 11:48
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.19	321241	343422	6
c - 10	1.54	327306	343422	5
c - 12	2.28	332106	343422	3
c - 14	2.94	342444	343422	0
c - 16	3.54	346514	343422	-1
c - 18	4.13	345813	343422	-1
c - 20	4.74	347805	343422	-1
c - 22	5.25	348833	343422	-2
c - 24	5.69	346265	343422	-1
c - 26	6.08	345115	343422	0
c - 28	6.44	347331	343422	-1
c - 30	6.77	352559	343422	-3
c - 32	7.08	345482	343422	-1
c - 34	7.37	347896	343422	-1
c - 36	7.66	354618	343422	-3

*One compound allowed %D </=50%

Samples

18I0925-01
18I0925-02
18I0925-03
18I0925-04
18I0925-05
18I0925-06
18I0729-04RE1

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury AWC

Project Number: 18I0925

Laboratory Sample ID(s):
18I0925-01 thru 18I0925-07

Sample Date(s):
09/20/2018

List RCP Methods Used:

CTDEP ETPH, SW-846 6020B, SW-846 7196A, SW-846 7470A, SW-846 7471B, 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.

Tod E. Kopyscinski

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

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

Printed Name: Tod E. Kopyscinski **Date:** 09/27/18

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

October 2, 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: 18I1034

Enclosed are results of analyses for samples received by the laboratory on September 24, 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: 10/2/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18I1034

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-200	18I1034-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-5	18I1034-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-202	18I1034-03	Ground Water		CTDEP ETPH	
MW-203	18I1034-04	Ground Water		CTDEP ETPH	
Trip Blank	18I1034-05	Trip Blank Water		SW-846 8260C	

con-test® ANALYTICAL LABORATORY
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CASE NARRATIVE SUMMARY

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

SW-846 8082A

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:

Aroclor-1016 [2C]
B213284-BS1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound.

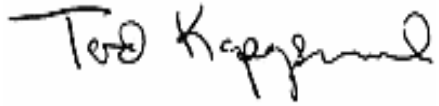
Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]
B213284-BS1, B213284-BSD1

SW-846 8260C

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

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



Tod E. Kopyscinski
Laboratory Director

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: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

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	9/25/18	9/25/18 19:58	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

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	9/25/18	9/25/18 19:58	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 19:58	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	98.0	70-130			9/25/18 19:58
Toluene-d8	97.6	70-130			9/25/18 19:58
4-Bromofluorobenzene	103	70-130			9/25/18 19:58

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: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

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	9/25/18	9/27/18 23:25	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/27/18 23:25
Decachlorobiphenyl [2]	110	30-150		9/27/18 23:25
Tetrachloro-m-xylene [1]	103	30-150		9/27/18 23:25
Tetrachloro-m-xylene [2]	108	30-150		9/27/18 23:25

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: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-200 | Sampled: 9/21/2018 08:45

Sample ID: 18I1034-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.093	0.070	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 14:51	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	86.5	50-150				9/27/18 14:51	

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: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

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	9/25/18	9/25/18 20:28	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	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: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

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	9/25/18	9/25/18 20:28	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 20:28	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		9/25/18 20:28
Toluene-d8	97.9	70-130		9/25/18 20:28
4-Bromofluorobenzene	101	70-130		9/25/18 20:28

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: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

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	9/25/18	9/27/18 23:43	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/25/18	9/27/18 23:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/27/18 23:43
Decachlorobiphenyl [2]	110	30-150		9/27/18 23:43
Tetrachloro-m-xylene [1]	105	30-150		9/27/18 23:43
Tetrachloro-m-xylene [2]	110	30-150		9/27/18 23:43

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: 18I1034

Date Received: 9/24/2018

Field Sample #: CCA-5 | Sampled: 9/21/2018 09:15

Sample ID: 18I1034-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.094	0.075	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 15:09	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	114	50-150				9/27/18 15:09	

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: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-202 | Sampled: 9/21/2018 10:40

Sample ID: 18I1034-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 15:27	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	83.3	50-150				9/27/18 15:27	

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: 18I1034

Date Received: 9/24/2018

Field Sample #: MW-203 | Sampled: 9/21/2018 11:50

Sample ID: 18I1034-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	9/26/18	9/27/18 15:45	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	62.8	50-150				9/27/18 15:45	

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: 18I1034

Date Received: 9/24/2018

Field Sample #: Trip Blank | Sampled: 9/21/2018 00:00

Sample ID: 18I1034-05

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	9/25/18	9/25/18 15:22	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	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: 18I1034

Date Received: 9/24/2018

Field Sample #: Trip Blank | Sampled: 9/21/2018 00:00

Sample ID: 18I1034-05

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	9/25/18	9/25/18 15:22	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/25/18	9/25/18 15:22	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		9/25/18 15:22
Toluene-d8	100	70-130		9/25/18 15:22
4-Bromofluorobenzene	97.7	70-130		9/25/18 15:22

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I1034-01 [MW-200]	B213299	960	0.900	09/26/18
18I1034-02 [CCA-5]	B213299	1000	1.00	09/26/18
18I1034-03 [MW-202]	B213299	1000	1.00	09/26/18
18I1034-04 [MW-203]	B213299	1000	1.00	09/26/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I1034-01 [MW-200]	B213284	1000	10.0	09/25/18
18I1034-02 [CCA-5]	B213284	1000	10.0	09/25/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I1034-01 [MW-200]	B213206	5	5.00	09/25/18
18I1034-02 [CCA-5]	B213206	5	5.00	09/25/18
18I1034-05 [Trip Blank]	B213206	5	5.00	09/25/18

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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 B213206 - SW-846 5030B										
Blank (B213206-BLK1)				Prepared & Analyzed: 09/25/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	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	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B213206 - SW-846 5030B										
Blank (B213206-BLK1)				Prepared & Analyzed: 09/25/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.8	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102	70-130			
LCS (B213206-BS1)				Prepared & Analyzed: 09/25/18						
Acetone	92.2	10	µg/L	100		92.2	70-130			
Acrylonitrile	9.43	2.0	µg/L	10.0		94.3	70-130			
Benzene	9.52	0.50	µg/L	10.0		95.2	70-130			
Bromobenzene	9.65	0.50	µg/L	10.0		96.5	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	10.5	0.50	µg/L	10.0		105	70-130			
Bromomethane	8.78	1.0	µg/L	10.0		87.8	70-130			
2-Butanone (MEK)	87.0	5.0	µg/L	100		87.0	70-130			
n-Butylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130			
sec-Butylbenzene	9.32	1.0	µg/L	10.0		93.2	70-130			
tert-Butylbenzene	9.50	1.0	µg/L	10.0		95.0	70-130			
Carbon Disulfide	95.6	5.0	µg/L	100		95.6	70-130			
Carbon Tetrachloride	11.2	0.50	µg/L	10.0		112	70-130			
Chlorobenzene	9.64	0.50	µg/L	10.0		96.4	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.7	0.50	µg/L	10.0		107	70-130			
Chloromethane	8.79	0.60	µg/L	10.0		87.9	70-130			
2-Chlorotoluene	10.1	0.50	µg/L	10.0		101	70-130			
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.18	5.0	µg/L	10.0		81.8	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	11.2	0.50	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	9.16	0.50	µg/L	10.0		91.6	70-130			
1,3-Dichlorobenzene	9.41	0.50	µg/L	10.0		94.1	70-130			
1,4-Dichlorobenzene	9.45	0.50	µg/L	10.0		94.5	70-130			
trans-1,4-Dichloro-2-butene	9.81	2.0	µg/L	10.0		98.1	70-130			
Dichlorodifluoromethane (Freon 12)	11.1	0.50	µg/L	10.0		111	70-130			
1,1-Dichloroethane	9.85	0.50	µg/L	10.0		98.5	70-130			
1,2-Dichloroethane	10.5	0.50	µg/L	10.0		105	70-130			
1,1-Dichloroethylene	10.7	0.50	µg/L	10.0		107	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 B213206 - SW-846 5030B										
LCS (B213206-BS1)				Prepared & Analyzed: 09/25/18						
cis-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,2-Dichloroethylene	9.47	1.0	µg/L	10.0		94.7	70-130			
1,2-Dichloropropane	9.90	0.50	µg/L	10.0		99.0	70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
2,2-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
1,1-Dichloropropene	9.98	0.50	µg/L	10.0		99.8	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114	70-130			
Ethylbenzene	9.55	0.50	µg/L	10.0		95.5	70-130			
Hexachlorobutadiene	10.8	1.0	µg/L	10.0		108	70-130			
2-Hexanone (MBK)	94.8	5.0	µg/L	100		94.8	70-130			
Isopropylbenzene (Cumene)	9.74	0.50	µg/L	10.0		97.4	70-130			
p-Isopropyltoluene (p-Cymene)	9.34	0.50	µg/L	10.0		93.4	70-130			
Methyl tert-Butyl Ether (MTBE)	9.77	0.50	µg/L	10.0		97.7	70-130			
Methylene Chloride	8.89	5.0	µg/L	10.0		88.9	70-130			
4-Methyl-2-pentanone (MIBK)	95.2	5.0	µg/L	100		95.2	70-130			
Naphthalene	7.36	2.0	µg/L	10.0		73.6	70-130			
n-Propylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130			
Styrene	9.88	1.0	µg/L	10.0		98.8	70-130			
1,1,1,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	9.50	0.50	µg/L	10.0		95.0	70-130			
Tetrachloroethylene	12.2	1.0	µg/L	10.0		122	70-130			
Tetrahydrofuran	8.51	10	µg/L	10.0		85.1	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	8.13	5.0	µg/L	10.0		81.3	70-130			
1,2,4-Trichlorobenzene	7.97	5.0	µg/L	10.0		79.7	70-130			
1,1,1-Trichloroethane	10.9	0.50	µg/L	10.0		109	70-130			
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0		119	70-130			
1,2,3-Trichloropropane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	0.50	µg/L	10.0		114	70-130			
1,2,4-Trimethylbenzene	9.51	0.50	µg/L	10.0		95.1	70-130			
1,3,5-Trimethylbenzene	9.92	0.50	µg/L	10.0		99.2	70-130			
Vinyl Chloride	10.1	1.0	µg/L	10.0		101	70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.61	1.0	µg/L	10.0		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.1	70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130			

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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 B213284 - SW-846 3510C											
Blank (B213284-BLK1)				Prepared: 09/25/18 Analyzed: 09/26/18							
Aroclor-1016	ND	0.040	µg/L								
Aroclor-1016 [2C]	ND	0.040	µg/L								
Aroclor-1221	ND	0.040	µg/L								
Aroclor-1221 [2C]	ND	0.040	µg/L								
Aroclor-1232	ND	0.040	µg/L								
Aroclor-1232 [2C]	ND	0.040	µg/L								
Aroclor-1242	ND	0.040	µg/L								
Aroclor-1242 [2C]	ND	0.040	µg/L								
Aroclor-1248	ND	0.040	µg/L								
Aroclor-1248 [2C]	ND	0.040	µg/L								
Aroclor-1254	ND	0.040	µg/L								
Aroclor-1254 [2C]	ND	0.040	µg/L								
Aroclor-1260	ND	0.040	µg/L								
Aroclor-1260 [2C]	ND	0.040	µg/L								
Aroclor-1262	ND	0.040	µg/L								
Aroclor-1262 [2C]	ND	0.040	µg/L								
Aroclor-1268	ND	0.040	µg/L								
Aroclor-1268 [2C]	ND	0.040	µg/L								
Surrogate: Decachlorobiphenyl	*0.357*		µg/L	0.400		89.3		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.394*		µg/L	0.400		98.5		30-150			
Surrogate: Tetrachloro-m-xylene	*0.434*		µg/L	0.400		108		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.500*		µg/L	0.400		125		30-150			
LCS (B213284-BS1)				Prepared: 09/25/18 Analyzed: 09/26/18							
Aroclor-1016	0.60	0.20	µg/L	0.500		119		40-140			
Aroclor-1016 [2C]	0.71	0.20	µg/L	0.500		**142**	*	40-140			V-06, L-07
Aroclor-1260	0.58	0.20	µg/L	0.500		116		40-140			
Aroclor-1260 [2C]	0.65	0.20	µg/L	0.500		129		40-140			
Surrogate: Decachlorobiphenyl	*2.00*		µg/L	2.00		99.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.23*		µg/L	2.00		111		30-150			
Surrogate: Tetrachloro-m-xylene	*2.33*		µg/L	2.00		116		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.71*		µg/L	2.00		136		30-150			
LCS Dup (B213284-BSD1)				Prepared: 09/25/18 Analyzed: 09/26/18							
Aroclor-1016	0.49	0.20	µg/L	0.500		98.6		40-140	18.8	20	
Aroclor-1016 [2C]	0.62	0.20	µg/L	0.500		124		40-140	14.0	20	V-06
Aroclor-1260	0.49	0.20	µg/L	0.500		97.2		40-140	17.4	20	
Aroclor-1260 [2C]	0.55	0.20	µg/L	0.500		110		40-140	15.8	20	
Surrogate: Decachlorobiphenyl	*1.66*		µg/L	2.00		83.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/L	2.00		93.4		30-150			
Surrogate: Tetrachloro-m-xylene	*1.98*		µg/L	2.00		99.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.32*		µg/L	2.00		116		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 B213299 - SW-846 3510C										
Blank (B213299-BLK1)				Prepared: 09/26/18 Analyzed: 09/27/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0692*		mg/L	0.100		69.2	50-150			
LCS (B213299-BS1)				Prepared: 09/26/18 Analyzed: 09/28/18						
CT ETPH	0.619	0.075	mg/L	1.00		61.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0721*		mg/L	0.100		72.1	50-150			
LCS Dup (B213299-BSD1)				Prepared: 09/26/18 Analyzed: 09/28/18						
CT ETPH	0.639	0.075	mg/L	1.00		63.9	60-120	3.23	30	
Surrogate: 2-Fluorobiphenyl	*0.0757*		mg/L	0.100		75.7	50-150			

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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-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME

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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	06/30/2019
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	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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MEK
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
18I1034

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	Total Hex Cr, Tri Cr and Copper	# of Containers
						[2] Preservation Code		H	I	I	I	N	I	
						[3] Container Code		V	A	A	A	P	P	
1	MW-200	9/21/18	845		X	GW	U	X	X	X				
2	CCA-5		915					X	X	X				
3	MW-202		1040							X				
4	MW-203		1150							X				
5	TRIP BLANK	—	—					X						

ANALYSIS REQUESTED

Preserved 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, using Eversource rates.

Please send results to:

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

Relinquished by: (signature)	Date/Time: 9/21/18 1305	
Received by: (signature)	Date/Time: 9/21/18 1305	
Relinquished by: (signature)	Date/Time: 9/24/18 1645	
Received by: (signature)	Date/Time: 9/26/18 16:45	
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

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

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

Client W+S

Received By NP Date 9/24/18 Time 16:45

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 # 577 Actual Temp - 5.3, 3.4 By Blank # ____ Actual Temp - ____

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

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

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

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

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

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	12	1 Liter Plastic		16 oz Amb.	
HCL-	8	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

X:\HPCHEM\1\DATA\A092718\A0927016.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0927016.D
Data File Path	X:\HPCHEM\1\DATA\A092718\
Date Acquired	9/27/2018 1:37
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	0.97	388653	423370	8
c - 10	1.31	397146	423370	6
c - 12	2.03	410682	423370	3
c - 14	2.70	431568	423370	-2
c - 16	3.29	444637	423370	-5
c - 18	3.85	447454	423370	-6
c - 20	4.46	450130	423370	-6
c - 22	5.00	447482	423370	-6
c - 24	5.45	436202	423370	-3
c - 26	5.84	425299	423370	0
c - 28	6.20	418227	423370	1
c - 30	6.54	414967	423370	2
c - 32	6.85	403720	423370	5
c - 34	7.14	409594	423370	3
c - 36	7.42	424796	423370	0

*One compound allowed %D </=50%

Samples

18I0995-01
18I1034-01
18I1034-02
18I1034-03
18I1034-04
18I1077-01
18I0922-01
18I0922-02
18I0922-03
18I0922-04
18I0955-05
18I0955-09@10X
18I0973-10

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18I1034

Laboratory Sample ID(s):
18I1034-01 thru 18I1034-05

Sample Date(s):
09/21/2018

List RCP Methods Used:
CTDEP ETPH, SW-846 8082A, SW-846 8260C

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

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

Tod E. Kopyscinski

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

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

Printed Name: Tod E. Kopyscinski **Date:** 10/02/18

Name of Laboratory: Con-Test Analytical Laboratory

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