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

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

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

Requirements for Transmittals through the SFT website:

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

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

☒ Remediation	☐ LUST
Primary Program: Voluntary Remediation Program	UST Facility ID: (if applicable)
*Rem ID: 4943 (required)	Spill Case Number: (if known)

Part II: Site Information

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

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

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

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

Part III: Document Information

Remediation - Monitoring Report
Date of Document: 5/28/2019

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: CL&P dba Eversource

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street
Berlin, CT 06037

May 28, 2019

Mr. Robert Robinson
Bureau of Waste Management
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: 1) Letter, D. Blicharz to R. Robinson, dated April 30, 2019.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Robinson:

Groundwater Report – 1st Quarter 2019
Former Simsbury Area Work Center (Rem ID #4943)
34 Hopmeadow Street, Simsbury, CT

The Connecticut Light & Power Company (CL&P) doing business as (dba) Eversource Energy herein submits quarterly groundwater data for the Former Simsbury Area Work Center.

As documented in the most recent 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, samples were collected from nineteen (19) monitoring wells including MW-AIR-1, MW-CCA-1, MW-CCA-2, MW-CCA-3, MW-CCA-5, MW-T3, MW-T6, MW-TRW-1, MW-2A, MW-4R, MW-6, MW-10, MW-11A, MW-15, MW-16, MW-200, MW-202, MW-203, and MW-310, and analyzed for various parameters.

As indicated in the enclosed laboratory analytical data reports, groundwater sample results were below the Remediation Standard Regulation GA Groundwater Protection Criteria, Surface Water Protection Criteria, and Groundwater Volatilization Criteria except for total petroleum hydrocarbon concentrations that were detected above 250 micrograms per liter in samples collected from seven (7) monitoring wells.

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,

The Connecticut Light & Power Company, dba Eversource Energy

Drew Blicharz

Drew P. Blicharz
Environmental Specialist – Remediation

Enclosure

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

April 9, 2019

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: 10227659
Laboratory Work Order Number: 19C1457

Enclosed are results of analyses for samples received by the laboratory on March 27, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 4/9/2019

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: 10227659

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19C1457

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-15	19C1457-01	Ground Water		CTDEP ETPH	
MW-16	19C1457-02	Ground Water		CTDEP ETPH	
				SW-846 8270D	
MW-202	19C1457-03	Ground Water		CTDEP ETPH	
MW-203	19C1457-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	
MW-10	19C1457-05	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 8260C	
				SW-846 8270D	
MW-T3	19C1457-06	Ground Water		CTDEP ETPH	
MW-T6	19C1457-07	Ground Water		CTDEP ETPH	
CCA-3	19C1457-08	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C	
				SW-846 8270D	
MW-6	19C1457-09	Ground Water		CTDEP ETPH	
				SW-846 8270D	
MW-2a	19C1457-10	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 8260C	
				SW-846 8270D	
MW-310	19C1457-11	Ground Water		CTDEP ETPH	
Dup-1	19C1457-12	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8270D	
Dup-2	19C1457-13	Ground Water		SW-846 8260C	
Trip Blank	19C1457-14	Trip Blank Water		SW-846 8260C	

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

CASE NARRATIVE SUMMARY

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

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

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

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

2-Hexanone (MBK)
B226928-BS1, S034188-CCV1

4-Methyl-2-pentanone (MIBK)
B226928-BS1, S034188-CCV1

Chloromethane
B226928-BS1, S034188-CCV1

Tetrahydrofuran
B226928-BS1, S034188-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2-Hexanone (MBK)
B226928-BS1, S034188-CCV1

4-Methyl-2-pentanone (MIBK)
B226928-BS1, S034188-CCV1

Chloromethane
B226928-BS1, S034188-CCV1

Tetrahydrofuran
B226928-BS1, S034188-CCV1

SW-846 8270D

Qualifications:

RL-03

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

Analyte & Samples(s) Qualified:

Hexachlorobenzene
19C1457-02[MW-16], 19C1457-08[CCA-3]

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
19C1457-02[MW-16], 19C1457-08[CCA-3], B227061-BLK1, B227061-BS1, B227061-BSD1, S034184-CCV1, S034273-CCV1

V-34

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

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
19C1457-02[MW-16], 19C1457-08[CCA-3], B227061-BLK1, B227061-BS1, B227061-BSD1, S034184-CCV1, S034273-CCV1

3-Nitroaniline
19C1457-02[MW-16], 19C1457-08[CCA-3], S034273-CCV1

4-Chloroaniline
19C1457-02[MW-16], 19C1457-08[CCA-3], B227061-BLK1, B227061-BS1, B227061-BSD1, S034184-CCV1, S034273-CCV1

Aniline
19C1457-02[MW-16], 19C1457-08[CCA-3], B227061-BLK1, B227061-BS1, B227061-BSD1, S034184-CCV1, S034273-CCV1

Pentachlorophenol (SIM)
19C1457-02[MW-16], 19C1457-05[MW-10], 19C1457-08[CCA-3], 19C1457-09[MW-6], 19C1457-10[MW-2a], 19C1457-12[Dup-1], B227199-BLK1, B227199-BS1, B227199-BSD1, B227370-BLK1, B227370-BS1, B227370-BSD1, S034454-CCV1

V-35

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

Analyte & Samples(s) Qualified:

2-Nitroaniline
B227061-BLK1, B227061-BS1, B227061-BSD1, S034184-CCV1

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SW-846 8260C

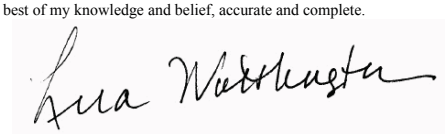
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

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.



Lisa A. Worthington
Technical Representative

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: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-15 | Sampled: 3/26/2019 12:00

Sample ID: 19C1457-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 11:18	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	61.0	50-150				4/2/19 11:18	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-16 | Sampled: 3/26/2019 10:50

Sample ID: 19C1457-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Aniline	ND	4.8	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
4-Chloroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:26	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Hexachlorobenzene	ND	4.8	µg/L	1	RL-03	SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA

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: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-16 | Sampled: 3/26/2019 10:50

Sample ID: 19C1457-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
2-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
3-Nitroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:26	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1	V-34	SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Phenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	3/31/19	4/9/19 13:38	CLA
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.7	15-110		4/2/19 11:26
2-Fluorophenol (SIM)	48.2	15-110		4/9/19 13:38
Phenol-d6	40.3	15-110		4/2/19 11:26
Phenol-d6 (SIM)	31.5	15-110		4/9/19 13:38
Nitrobenzene-d5	88.6	30-130		4/2/19 11:26
Nitrobenzene-d5	78.1	30-130		4/9/19 13:38
2-Fluorobiphenyl	55.5	30-130		4/9/19 13:38
2-Fluorobiphenyl	95.4	30-130		4/2/19 11:26
2,4,6-Tribromophenol	107	15-110		4/2/19 11:26
2,4,6-Tribromophenol (SIM)	77.3	15-110		4/9/19 13:38
p-Terphenyl-d14	95.1	30-130		4/2/19 11:26
p-Terphenyl-d14	69.8	30-130		4/9/19 13:38

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-16 | Sampled: 3/26/2019 10:50

Sample ID: 19C1457-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 11:38	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	64.3	50-150				4/2/19 11:38	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-202 | Sampled: 3/26/2019 10:00

Sample ID: 19C1457-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 11:58	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	65.6	50-150					4/2/19 11:58	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-203 | Sampled: 3/26/2019 12:40

Sample ID: 19C1457-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1221 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1232 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1242 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1248 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1254 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1260 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1262 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG
Aroclor-1268 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.1	30-150		4/5/19 10:39
Decachlorobiphenyl [2]	62.6	30-150		4/5/19 10:39
Tetrachloro-m-xylene [1]	61.7	30-150		4/5/19 10:39
Tetrachloro-m-xylene [2]	67.4	30-150		4/5/19 10:39

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-203 | Sampled: 3/26/2019 12:40

Sample ID: 19C1457-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.22	0.14	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 12:18	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	64.1	50-150				4/2/19 12:18	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457
Date Received: 3/27/2019
Field Sample #: MW-10 | Sampled: 3/26/2019 13:30
Sample ID: 19C1457-05
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	3/29/19	3/29/19 15:38	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-10 | Sampled: 3/26/2019 13:30

Sample ID: 19C1457-05

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	3/29/19	3/29/19 15:38	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 15:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.8	70-130		3/29/19 15:38
Toluene-d8	99.7	70-130		3/29/19 15:38
4-Bromofluorobenzene	99.9	70-130		3/29/19 15:38

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-10 | Sampled: 3/26/2019 13:30

Sample ID: 19C1457-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Pentachlorophenol (SIM)	ND	1.0	µg/L	1	V-34	SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:14	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol (SIM)	50.5	15-110		4/9/19 10:14
Phenol-d6 (SIM)	33.2	15-110		4/9/19 10:14
Nitrobenzene-d5	84.6	30-130		4/9/19 10:14
2-Fluorobiphenyl	60.8	30-130		4/9/19 10:14
2,4,6-Tribromophenol (SIM)	80.6	15-110		4/9/19 10:14
p-Terphenyl-d14	63.3	30-130		4/9/19 10:14

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-10 | Sampled: 3/26/2019 13:30

Sample ID: 19C1457-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.37	0.14	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 13:58	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	66.8	50-150				4/2/19 13:58	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-10 | Sampled: 3/26/2019 13:30

Sample ID: 19C1457-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	1.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:18	MJH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-T3 | Sampled: 3/26/2019 09:55

Sample ID: 19C1457-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3.9	0.30	mg/L	2		CTDEP ETPH	4/1/19	4/2/19 15:17	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	64.6	50-150		4/2/19 15:17

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: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-T6 | Sampled: 3/26/2019 10:30

Sample ID: 19C1457-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.17	0.16	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 12:38	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	62.7	50-150				4/2/19 12:38	

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: 19C1457
Date Received: 3/27/2019
Field Sample #: CCA-3 | Sampled: 3/26/2019 11:20
Sample ID: 19C1457-08
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH

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: 19C1457

Date Received: 3/27/2019

Field Sample #: CCA-3 | Sampled: 3/26/2019 11:20

Sample ID: 19C1457-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 17:24	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.9	70-130		3/29/19 17:24
Toluene-d8	100	70-130		3/29/19 17:24
4-Bromofluorobenzene	95.8	70-130		3/29/19 17:24

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: 19C1457

Date Received: 3/27/2019

Field Sample #: CCA-3 | Sampled: 3/26/2019 11:20

Sample ID: 19C1457-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.33	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Acenaphthylene (SIM)	ND	0.33	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Aniline	ND	5.6	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Anthracene (SIM)	ND	0.22	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Benzo(a)anthracene (SIM)	ND	0.056	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Benzo(a)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Benzo(b)fluoranthene (SIM)	ND	0.056	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.56	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Benzo(k)fluoranthene (SIM)	ND	0.22	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Bis(2-chloroethoxy)methane	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Bis(2-chloroethyl)ether	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Bis(2-chloroisopropyl)ether	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.2	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
4-Bromophenylphenylether	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Butylbenzylphthalate	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Carbazole	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
4-Chloroaniline	ND	11	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:51	BGL
4-Chloro-3-methylphenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2-Chloronaphthalene	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2-Chlorophenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
4-Chlorophenylphenylether	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Chrysene (SIM)	ND	0.22	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.22	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Dibenzofuran	ND	5.6	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Di-n-butylphthalate	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
3,3-Dichlorobenzidine	ND	11	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2,4-Dichlorophenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Diethylphthalate	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2,4-Dimethylphenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Dimethylphthalate	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
4,6-Dinitro-2-methylphenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2,4-Dinitrophenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2,4-Dinitrotoluene	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2,6-Dinitrotoluene	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Di-n-octylphthalate	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Fluoranthene (SIM)	ND	0.56	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Fluorene (SIM)	ND	1.1	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Hexachlorobenzene	ND	5.6	µg/L	1	RL-03	SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Hexachlorobutadiene	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Hexachlorocyclopentadiene	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Hexachloroethane	ND	2.2	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.22	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Isophorone	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2-Methylnaphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: CCA-3 | Sampled: 3/26/2019 11:20

Sample ID: 19C1457-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
3/4-Methylphenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Naphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
2-Nitroaniline	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
3-Nitroaniline	ND	11	µg/L	1	V-34	SW-846 8270D	3/31/19	4/2/19 11:51	BGL
4-Nitroaniline	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Pentachlorophenol (SIM)	ND	1.1	µg/L	1	V-34	SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Nitrobenzene	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2-Nitrophenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
4-Nitrophenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
N-Nitrosodi-n-propylamine	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Pentachloronitrobenzene	ND	11	µg/L	1	V-16	SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Phenanthrene (SIM)	ND	0.056	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Phenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
Pyrene (SIM)	ND	1.1	µg/L	1		SW-846 8270D	3/31/19	4/9/19 14:07	CLA
Pyridine	ND	5.6	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
1,2,4-Trichlorobenzene	ND	5.6	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2,4,5-Trichlorophenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL
2,4,6-Trichlorophenol	ND	11	µg/L	1		SW-846 8270D	3/31/19	4/2/19 11:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.0	15-110		4/2/19 11:51
2-Fluorophenol (SIM)	48.5	15-110		4/9/19 14:07
Phenol-d6	38.0	15-110		4/2/19 11:51
Phenol-d6 (SIM)	33.0	15-110		4/9/19 14:07
Nitrobenzene-d5	78.2	30-130		4/2/19 11:51
Nitrobenzene-d5	75.7	30-130		4/9/19 14:07
2-Fluorobiphenyl	53.9	30-130		4/9/19 14:07
2-Fluorobiphenyl	85.4	30-130		4/2/19 11:51
2,4,6-Tribromophenol	100	15-110		4/2/19 11:51
2,4,6-Tribromophenol (SIM)	74.6	15-110		4/9/19 14:07
p-Terphenyl-d14	89.8	30-130		4/2/19 11:51
p-Terphenyl-d14	70.5	30-130		4/9/19 14:07

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: CCA-3 | Sampled: 3/26/2019 11:20

Sample ID: 19C1457-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.17	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 12:58	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	61.5	50-150					4/2/19 12:58	

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: 19C1457

Date Received: 3/27/2019

Field Sample #: CCA-3 | Sampled: 3/26/2019 11:20

Sample ID: 19C1457-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.40	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:30	QNW
Barium	82	10	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:30	QNW
Cadmium	ND	0.50	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:30	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:30	QNW
Lead	ND	1.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:30	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/28/19	3/29/19 11:24	AJL
Selenium	ND	5.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:30	QNW
Silver	ND	0.50	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:30	QNW

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: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-6 | Sampled: 3/26/2019 12:35

Sample ID: 19C1457-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Pentachlorophenol (SIM)	ND	1.0	µg/L	1	V-34	SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 10:43	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol (SIM)	49.3	15-110		4/9/19 10:43
Phenol-d6 (SIM)	33.5	15-110		4/9/19 10:43
Nitrobenzene-d5	86.5	30-130		4/9/19 10:43
2-Fluorobiphenyl	61.6	30-130		4/9/19 10:43
2,4,6-Tribromophenol (SIM)	81.4	15-110		4/9/19 10:43
p-Terphenyl-d14	62.1	30-130		4/9/19 10:43

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-6 | Sampled: 3/26/2019 12:35

Sample ID: 19C1457-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.52	0.15	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 14:37	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	61.1	50-150				4/2/19 14:37	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-2a | Sampled: 3/26/2019 14:30

Sample ID: 19C1457-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-2a | Sampled: 3/26/2019 14:30

Sample ID: 19C1457-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		3/29/19 16:05
Toluene-d8	99.4	70-130		3/29/19 16:05
4-Bromofluorobenzene	90.4	70-130		3/29/19 16:05

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-2a | Sampled: 3/26/2019 14:30

Sample ID: 19C1457-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Pentachlorophenol (SIM)	ND	0.96	µg/L	1	V-34	SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:12	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol (SIM)	46.7	15-110		4/9/19 11:12
Phenol-d6 (SIM)	31.1	15-110		4/9/19 11:12
Nitrobenzene-d5	82.6	30-130		4/9/19 11:12
2-Fluorobiphenyl	58.8	30-130		4/9/19 11:12
2,4,6-Tribromophenol (SIM)	79.3	15-110		4/9/19 11:12
p-Terphenyl-d14	69.7	30-130		4/9/19 11:12

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-2a | Sampled: 3/26/2019 14:30

Sample ID: 19C1457-10

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 13:18	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	58.2	50-150				4/2/19 13:18	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-2a | Sampled: 3/26/2019 14:30

Sample ID: 19C1457-10

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	1.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:21	MJH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: MW-310 | Sampled: 3/26/2019 14:10

Sample ID: 19C1457-11

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.33	0.15	mg/L	1		CTDEP ETPH	4/1/19	4/2/19 13:38	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	62.7	50-150				4/2/19 13:38	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: Dup-1 | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-12

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Pentachlorophenol (SIM)	ND	1.0	µg/L	1	V-34	SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	4/2/19	4/9/19 11:41	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol (SIM)	47.1	15-110		4/9/19 11:41
Phenol-d6 (SIM)	32.0	15-110		4/9/19 11:41
Nitrobenzene-d5	80.5	30-130		4/9/19 11:41
2-Fluorobiphenyl	56.6	30-130		4/9/19 11:41
2,4,6-Tribromophenol (SIM)	78.2	15-110		4/9/19 11:41
p-Terphenyl-d14	59.6	30-130		4/9/19 11:41

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: Dup-1 | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-12

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	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1221 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1232 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1242 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1248 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1254 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1260 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1262 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG
Aroclor-1268 [1]	ND	0.14	µg/L	1		SW-846 8082A	4/4/19	4/5/19 10:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	47.4	30-150		4/5/19 10:51
Decachlorobiphenyl [2]	56.3	30-150		4/5/19 10:51
Tetrachloro-m-xylene [1]	47.5	30-150		4/5/19 10:51
Tetrachloro-m-xylene [2]	51.9	30-150		4/5/19 10:51

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: Dup-1 | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-12

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	9.1	1.6	mg/L	10		CTDEP ETPH	4/1/19	4/3/19 4:22	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	60.9	50-150				4/3/19 4:22	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: Dup-1 | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-12

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.40	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:34	QNW
Barium	110	10	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:34	QNW
Cadmium	ND	0.50	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:34	QNW
Chromium	ND	1.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:34	QNW
Lead	ND	1.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:34	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/28/19	3/29/19 11:28	AJL
Selenium	ND	5.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:34	QNW
Silver	ND	0.50	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:34	QNW

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1457

Date Received: 3/27/2019

Field Sample #: Dup-2 | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: Dup-2 | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.5	70-130		3/29/19 16:58
Toluene-d8	99.8	70-130		3/29/19 16:58
4-Bromofluorobenzene	95.7	70-130		3/29/19 16:58

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: 19C1457

Date Received: 3/27/2019

Field Sample #: Trip Blank | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-14

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	3/29/19	3/29/19 10:20	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH

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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: 19C1457

Date Received: 3/27/2019

Field Sample #: Trip Blank | Sampled: 3/26/2019 00:00

Sample ID: 19C1457-14

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	3/29/19	3/29/19 10:20	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.7	70-130		3/29/19 10:20
Toluene-d8	101	70-130		3/29/19 10:20
4-Bromofluorobenzene	98.7	70-130		3/29/19 10:20

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1457-01 [MW-15]	B227179	1040	1.00	04/01/19
19C1457-02 [MW-16]	B227179	1010	1.00	04/01/19
19C1457-03 [MW-202]	B227179	1020	1.00	04/01/19
19C1457-04 [MW-203]	B227179	1040	1.00	04/01/19
19C1457-05 [MW-10]	B227179	1040	1.00	04/01/19
19C1457-06 [MW-T3]	B227179	985	1.00	04/01/19
19C1457-07 [MW-T6]	B227179	960	1.00	04/01/19
19C1457-08 [CCA-3]	B227179	900	1.00	04/01/19
19C1457-09 [MW-6]	B227179	1000	1.00	04/01/19
19C1457-10 [MW-2a]	B227179	1060	1.00	04/01/19
19C1457-11 [MW-310]	B227179	985	1.00	04/01/19
19C1457-12 [Dup-1]	B227179	960	1.00	04/01/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1457-05 [MW-10]	B227244	50.0	50.0	04/02/19
19C1457-08 [CCA-3]	B227244	50.0	50.0	04/02/19
19C1457-10 [MW-2a]	B227244	50.0	50.0	04/02/19
19C1457-12 [Dup-1]	B227244	50.0	50.0	04/02/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1457-08 [CCA-3]	B226838	6.00	6.00	03/28/19
19C1457-12 [Dup-1]	B226838	6.00	6.00	03/28/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1457-04RE1 [MW-203]	B227330	140	2.00	04/04/19
19C1457-12RE1 [Dup-1]	B227330	140	2.00	04/04/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1457-05 [MW-10]	B226928	5	5.00	03/29/19
19C1457-08 [CCA-3]	B226928	5	5.00	03/29/19
19C1457-10 [MW-2a]	B226928	5	5.00	03/29/19
19C1457-13 [Dup-2]	B226928	5	5.00	03/29/19
19C1457-14 [Trip Blank]	B226928	5	5.00	03/29/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1457-02 [MW-16]	B227061	1050	1.00	03/31/19
19C1457-08 [CCA-3]	B227061	900	1.00	03/31/19

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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
19C1457-02 [MW-16]	B227199	1050	1.00	03/31/19
19C1457-08 [CCA-3]	B227199	900	1.00	03/31/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1457-05 [MW-10]	B227370	1000	1.00	04/02/19
19C1457-09 [MW-6]	B227370	990	1.00	04/02/19
19C1457-10 [MW-2a]	B227370	1040	1.00	04/02/19
19C1457-12 [Dup-1]	B227370	1000	1.00	04/02/19

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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 B226928 - SW-846 5030B										
Blank (B226928-BLK1)				Prepared & Analyzed: 03/29/19						
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	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B226928 - SW-846 5030B											
Blank (B226928-BLK1)				Prepared & Analyzed: 03/29/19							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	1.0	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0		91.2		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.5		70-130			
LCS (B226928-BS1)				Prepared & Analyzed: 03/29/19							
Acetone	99.6	10	µg/L	100		99.6		70-130			
Acrylonitrile	12.6	2.0	µg/L	10.0		126		70-130			
Benzene	9.68	0.50	µg/L	10.0		96.8		70-130			
Bromobenzene	9.76	0.50	µg/L	10.0		97.6		70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103		70-130			
Bromoform	11.8	0.50	µg/L	10.0		118		70-130			
Bromomethane	9.85	1.0	µg/L	10.0		98.5		70-130			
2-Butanone (MEK)	129	5.0	µg/L	100		129		70-130			
n-Butylbenzene	10.9	1.0	µg/L	10.0		109		70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107		70-130			
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130			
Carbon Disulfide	83.8	5.0	µg/L	100		83.8		70-130			
Carbon Tetrachloride	9.61	0.50	µg/L	10.0		96.1		70-130			
Chlorobenzene	9.58	0.50	µg/L	10.0		95.8		70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107		70-130			
Chloroethane	7.93	0.50	µg/L	10.0		79.3		70-130			
Chloroform	9.58	0.50	µg/L	10.0		95.8		70-130			
Chloromethane	15.6	0.60	µg/L	10.0		**156**	*	70-130			L-01, V-20
2-Chlorotoluene	9.05	0.50	µg/L	10.0		90.5		70-130			
4-Chlorotoluene	9.58	0.50	µg/L	10.0		95.8		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.6	1.0	µg/L	10.0		116		70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107		70-130			
Dibromomethane	9.55	0.50	µg/L	10.0		95.5		70-130			
1,2-Dichlorobenzene	9.94	0.50	µg/L	10.0		99.4		70-130			
1,3-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
1,4-Dichlorobenzene	9.45	0.50	µg/L	10.0		94.5		70-130			
trans-1,4-Dichloro-2-butene	11.4	2.0	µg/L	10.0		114		70-130			
Dichlorodifluoromethane (Freon 12)	8.35	0.50	µg/L	10.0		83.5		70-130			
1,1-Dichloroethane	10.9	0.50	µg/L	10.0		109		70-130			
1,2-Dichloroethane	9.00	0.50	µg/L	10.0		90.0		70-130			
1,1-Dichloroethylene	8.74	0.50	µg/L	10.0		87.4		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B226928 - SW-846 5030B											
LCS (B226928-BS1)				Prepared & Analyzed: 03/29/19							
cis-1,2-Dichloroethylene	10.7	0.50	µg/L	10.0		107		70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130			
1,2-Dichloropropane	11.5	0.50	µg/L	10.0		115		70-130			
1,3-Dichloropropane	9.50	0.50	µg/L	10.0		95.0		70-130			
2,2-Dichloropropane	11.6	0.50	µg/L	10.0		116		70-130			
1,1-Dichloropropene	9.85	0.50	µg/L	10.0		98.5		70-130			
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130			
trans-1,3-Dichloropropene	11.5	0.50	µg/L	10.0		115		70-130			
Ethylbenzene	10.4	0.50	µg/L	10.0		104		70-130			
Hexachlorobutadiene	10.5	0.60	µg/L	10.0		105		70-130			
2-Hexanone (MBK)	131	5.0	µg/L	100		**131**	*	70-130			L-01, V-20
Isopropylbenzene (Cumene)	10.5	0.50	µg/L	10.0		105		70-130			
p-Isopropyltoluene (p-Cymene)	10.6	0.50	µg/L	10.0		106		70-130			
Methyl tert-Butyl Ether (MTBE)	9.90	0.50	µg/L	10.0		99.0		70-130			
Methylene Chloride	11.2	5.0	µg/L	10.0		112		70-130			
4-Methyl-2-pentanone (MIBK)	136	5.0	µg/L	100		**136**	*	70-130			L-01, V-20
Naphthalene	9.57	2.0	µg/L	10.0		95.7		70-130			
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130			
Styrene	10.7	1.0	µg/L	10.0		107		70-130			
1,1,1,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108		70-130			
Tetrahydrofuran	13.9	10	µg/L	10.0		**139**	*	70-130			L-01, V-20
Toluene	9.75	1.0	µg/L	10.0		97.5		70-130			
1,2,3-Trichlorobenzene	9.80	1.0	µg/L	10.0		98.0		70-130			
1,2,4-Trichlorobenzene	9.69	0.50	µg/L	10.0		96.9		70-130			
1,1,1-Trichloroethane	9.84	0.50	µg/L	10.0		98.4		70-130			
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103		70-130			
Trichloroethylene	10.2	1.0	µg/L	10.0		102		70-130			
Trichlorofluoromethane (Freon 11)	8.14	2.0	µg/L	10.0		81.4		70-130			
1,2,3-Trichloropropane	8.23	0.50	µg/L	10.0		82.3		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.71	0.50	µg/L	10.0		77.1		70-130			
1,2,4-Trimethylbenzene	9.99	0.50	µg/L	10.0		99.9		70-130			
1,3,5-Trimethylbenzene	9.74	0.50	µg/L	10.0		97.4		70-130			
Vinyl Chloride	9.40	1.0	µg/L	10.0		94.0		70-130			
m+p Xylene	19.5	2.0	µg/L	20.0		97.6		70-130			
o-Xylene	9.81	1.0	µg/L	10.0		98.1		70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.8		70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.7		70-130			
Surrogate: 4-Bromofluorobenzene	*24.2*		µg/L	25.0		97.0		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B227061 - SW-846 3510C										
Blank (B227061-BLK1)				Prepared: 03/31/19 Analyzed: 04/01/19						
Aniline	ND	5.0	µg/L							V-34
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							V-35
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*106*		µg/L	200		53.1	15-110			
Surrogate: Phenol-d6	*73.5*		µg/L	200		36.8	15-110			
Surrogate: Nitrobenzene-d5	*80.3*		µg/L	100		80.3	30-130			
Surrogate: 2-Fluorobiphenyl	*78.1*		µg/L	100		78.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*173*		µg/L	200		86.6	15-110			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B227061 - SW-846 3510C											
Blank (B227061-BLK1)				Prepared: 03/31/19 Analyzed: 04/01/19							
Surrogate: p-Terphenyl-d14	*87.4*		µg/L	100		87.4	30-130				
LCS (B227061-BS1)				Prepared: 03/31/19 Analyzed: 04/01/19							
Aniline	33.6	5.0	µg/L	50.0		67.1	40-140			V-34	†
Bis(2-chloroethoxy)methane	42.6	10	µg/L	50.0		85.2	40-140				
Bis(2-chloroethyl)ether	36.9	10	µg/L	50.0		73.8	40-140				
Bis(2-chloroisopropyl)ether	40.7	10	µg/L	50.0		81.4	40-140				
Bis(2-Ethylhexyl)phthalate	41.8	10	µg/L	50.0		83.6	40-140				
4-Bromophenylphenylether	37.0	10	µg/L	50.0		74.0	40-140				
Butylbenzylphthalate	41.3	10	µg/L	50.0		82.6	40-140				
Carbazole	36.6	10	µg/L	50.0		73.3	40-140				
4-Chloroaniline	36.2	10	µg/L	50.0		72.3	40-140			V-34	†
4-Chloro-3-methylphenol	40.0	10	µg/L	50.0		79.9	30-130				
2-Chloronaphthalene	31.0	10	µg/L	50.0		62.0	40-140				
2-Chlorophenol	34.7	10	µg/L	50.0		69.3	30-130				
4-Chlorophenylphenylether	39.6	10	µg/L	50.0		79.1	40-140				
Dibenzofuran	36.6	5.0	µg/L	50.0		73.2	40-140				
Di-n-butylphthalate	39.3	10	µg/L	50.0		78.7	40-140				
3,3-Dichlorobenzidine	42.6	10	µg/L	50.0		85.3	40-140			V-34	†
2,4-Dichlorophenol	38.1	10	µg/L	50.0		76.2	30-130				
Diethylphthalate	39.4	10	µg/L	50.0		78.9	40-140				
2,4-Dimethylphenol	34.6	10	µg/L	50.0		69.3	30-130				
Dimethylphthalate	39.4	10	µg/L	50.0		78.8	40-140				
4,6-Dinitro-2-methylphenol	39.3	10	µg/L	50.0		78.6	30-130				
2,4-Dinitrophenol	48.2	10	µg/L	50.0		96.4	30-130				
2,4-Dinitrotoluene	41.0	10	µg/L	50.0		81.9	40-140				
2,6-Dinitrotoluene	41.9	10	µg/L	50.0		83.8	40-140				
Di-n-octylphthalate	42.7	10	µg/L	50.0		85.5	40-140				
Hexachlorobenzene	35.8	10	µg/L	50.0		71.5	40-140				
Hexachlorobutadiene	33.1	10	µg/L	50.0		66.1	40-140				
Hexachlorocyclopentadiene	31.8	10	µg/L	50.0		63.5	30-140				
Hexachloroethane	32.8	10	µg/L	50.0		65.6	40-140				
Isophorone	37.4	10	µg/L	50.0		74.8	40-140				
2-Methylphenol	32.8	10	µg/L	50.0		65.6	30-130				
3/4-Methylphenol	30.8	10	µg/L	50.0		61.5	30-130				
2-Nitroaniline	46.7	10	µg/L	50.0		93.5	40-140			V-35	
3-Nitroaniline	40.2	10	µg/L	50.0		80.5	40-140				†
4-Nitroaniline	42.1	10	µg/L	50.0		84.2	40-140				
Nitrobenzene	34.2	10	µg/L	50.0		68.5	40-140				
2-Nitrophenol	39.9	10	µg/L	50.0		79.7	30-130				
4-Nitrophenol	22.9	10	µg/L	50.0		45.7	10-130				
N-Nitrosodiphenylamine/Diphenylamine	38.9	10	µg/L	50.0		77.8	40-140				
N-Nitrosodi-n-propylamine	37.4	10	µg/L	50.0		74.9	40-140				
Pentachloronitrobenzene	38.3	10	µg/L	50.0		76.5	40-140			V-16	
Phenol	17.2	10	µg/L	50.0		34.3	20-130				
Pyridine	20.7	5.0	µg/L	50.0		41.3	10-140				†
1,2,4,5-Tetrachlorobenzene	33.5	10	µg/L	50.0		67.1	40-140				
1,2,4-Trichlorobenzene	32.8	5.0	µg/L	50.0		65.5	40-140				
2,4,5-Trichlorophenol	37.3	10	µg/L	50.0		74.6	30-130				
2,4,6-Trichlorophenol	37.2	10	µg/L	50.0		74.5	30-130				
Surrogate: 2-Fluorophenol	*96.8*		µg/L	200		48.4	15-110				
Surrogate: Phenol-d6	*68.0*		µg/L	200		34.0	15-110				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B227061 - SW-846 3510C											
LCS (B227061-BS1)				Prepared: 03/31/19 Analyzed: 04/01/19							
Surrogate: Nitrobenzene-d5	*74.6*		µg/L	100		74.6	30-130				
Surrogate: 2-Fluorobiphenyl	*75.6*		µg/L	100		75.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*179*		µg/L	200		89.6	15-110				
Surrogate: p-Terphenyl-d14	*83.5*		µg/L	100		83.5	30-130				
LCS Dup (B227061-BSD1)				Prepared: 03/31/19 Analyzed: 04/01/19							
Aniline	31.8	5.0	µg/L	50.0		63.5	40-140	5.51	50	V-34	† ‡
Bis(2-chloroethoxy)methane	41.5	10	µg/L	50.0		83.1	40-140	2.52	20		
Bis(2-chloroethyl)ether	36.6	10	µg/L	50.0		73.3	40-140	0.707	20		
Bis(2-chloroisopropyl)ether	39.9	10	µg/L	50.0		79.9	40-140	1.86	20		
Bis(2-Ethylhexyl)phthalate	42.5	10	µg/L	50.0		84.9	40-140	1.52	20		
4-Bromophenylphenylether	36.4	10	µg/L	50.0		72.7	40-140	1.66	20		
Butylbenzylphthalate	40.3	10	µg/L	50.0		80.6	40-140	2.40	20		
Carbazole	35.4	10	µg/L	50.0		70.7	40-140	3.50	20		
4-Chloroaniline	35.4	10	µg/L	50.0		70.7	40-140	2.21	20	V-34	†
4-Chloro-3-methylphenol	38.7	10	µg/L	50.0		77.4	30-130	3.15	20		
2-Chloronaphthalene	30.4	10	µg/L	50.0		60.9	40-140	1.73	20		
2-Chlorophenol	34.6	10	µg/L	50.0		69.2	30-130	0.202	20		
4-Chlorophenylphenylether	38.5	10	µg/L	50.0		77.0	40-140	2.64	20		
Dibenzofuran	36.0	5.0	µg/L	50.0		72.0	40-140	1.65	20		
Di-n-butylphthalate	39.0	10	µg/L	50.0		78.0	40-140	0.919	20		
3,3-Dichlorobenzidine	43.0	10	µg/L	50.0		86.1	40-140	0.957	20	V-34	† ‡
2,4-Dichlorophenol	37.3	10	µg/L	50.0		74.5	30-130	2.23	20		
Diethylphthalate	39.6	10	µg/L	50.0		79.2	40-140	0.380	20		
2,4-Dimethylphenol	33.7	10	µg/L	50.0		67.4	30-130	2.78	20		
Dimethylphthalate	39.0	10	µg/L	50.0		78.1	40-140	0.969	50		
4,6-Dinitro-2-methylphenol	38.7	10	µg/L	50.0		77.3	30-130	1.59	50		
2,4-Dinitrophenol	49.5	10	µg/L	50.0		99.0	30-130	2.70	50		
2,4-Dinitrotoluene	40.8	10	µg/L	50.0		81.6	40-140	0.367	20		
2,6-Dinitrotoluene	40.3	10	µg/L	50.0		80.7	40-140	3.84	20		
Di-n-octylphthalate	45.6	10	µg/L	50.0		91.2	40-140	6.48	20		
Hexachlorobenzene	34.1	10	µg/L	50.0		68.1	40-140	4.84	20		
Hexachlorobutadiene	32.6	10	µg/L	50.0		65.2	40-140	1.46	20		
Hexachlorocyclopentadiene	31.2	10	µg/L	50.0		62.4	30-140	1.84	50		
Hexachloroethane	30.9	10	µg/L	50.0		61.8	40-140	5.97	50		
Isophorone	36.5	10	µg/L	50.0		73.0	40-140	2.38	20		
2-Methylphenol	31.5	10	µg/L	50.0		63.0	30-130	3.98	20		
3/4-Methylphenol	29.5	10	µg/L	50.0		59.0	30-130	4.18	20		
2-Nitroaniline	45.4	10	µg/L	50.0		90.8	40-140	2.91	20	V-35	
3-Nitroaniline	39.6	10	µg/L	50.0		79.3	40-140	1.50	20		†
4-Nitroaniline	41.4	10	µg/L	50.0		82.7	40-140	1.73	20		
Nitrobenzene	33.5	10	µg/L	50.0		67.1	40-140	2.12	20		
2-Nitrophenol	39.5	10	µg/L	50.0		79.1	30-130	0.856	20		
4-Nitrophenol	21.3	10	µg/L	50.0		42.6	10-130	7.16	50		‡
N-Nitrosodiphenylamine/Diphenylamine	36.8	10	µg/L	50.0		73.6	40-140	5.55	20		
N-Nitrosodi-n-propylamine	35.8	10	µg/L	50.0		71.6	40-140	4.42	20		
Pentachloronitrobenzene	36.4	10	µg/L	50.0		72.7	40-140	5.09	20	V-16	
Phenol	16.7	10	µg/L	50.0		33.4	20-130	2.78	20		
Pyridine	19.3	5.0	µg/L	50.0		38.6	10-140	6.86	50		†
1,2,4,5-Tetrachlorobenzene	32.4	10	µg/L	50.0		64.7	40-140	3.58	20		
1,2,4-Trichlorobenzene	33.0	5.0	µg/L	50.0		66.0	40-140	0.760	20		
2,4,5-Trichlorophenol	35.5	10	µg/L	50.0		71.1	30-130	4.91	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 B227061 - SW-846 3510C										
LCS Dup (B227061-BSD1)				Prepared: 03/31/19 Analyzed: 04/01/19						
2,4,6-Trichlorophenol	36.0	10	µg/L	50.0		72.1	30-130	3.28	50	
Surrogate: 2-Fluorophenol	*94.6*		µg/L	200		47.3	15-110			
Surrogate: Phenol-d6	*65.8*		µg/L	200		32.9	15-110			
Surrogate: Nitrobenzene-d5	*73.2*		µg/L	100		73.2	30-130			
Surrogate: 2-Fluorobiphenyl	*72.6*		µg/L	100		72.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*180*		µg/L	200		90.1	15-110			
Surrogate: p-Terphenyl-d14	*79.8*		µg/L	100		79.8	30-130			
Batch B227199 - SW-846 3510C										
Blank (B227199-BLK1)				Prepared: 03/31/19 Analyzed: 04/02/19						
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							V-34
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*103*		µg/L	200		51.6	15-110			
Surrogate: Phenol-d6	*66.9*		µg/L	200		33.4	15-110			
Surrogate: Nitrobenzene-d5	*75.3*		µg/L	100		75.3	30-130			
Surrogate: 2-Fluorobiphenyl	*54.0*		µg/L	100		54.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*177*		µg/L	200		88.6	15-110			
Surrogate: p-Terphenyl-d14	*64.5*		µg/L	100		64.5	30-130			
LCS (B227199-BS1)				Prepared: 03/31/19 Analyzed: 04/02/19						
Acenaphthene (SIM)	33.9	6.0	µg/L	50.0		67.9	40-140			
Acenaphthylene (SIM)	33.6	6.0	µg/L	50.0		67.2	40-140			
Anthracene (SIM)	35.0	4.0	µg/L	50.0		70.1	40-140			
Benzo(a)anthracene (SIM)	32.1	1.0	µg/L	50.0		64.2	40-140			
Benzo(a)pyrene (SIM)	36.4	2.0	µg/L	50.0		72.9	40-140			
Benzo(b)fluoranthene (SIM)	36.3	1.0	µg/L	50.0		72.6	40-140			
Benzo(g,h,i)perylene (SIM)	36.4	10	µg/L	50.0		72.9	40-140			
Benzo(k)fluoranthene (SIM)	35.5	4.0	µg/L	50.0		71.1	40-140			
Chrysene (SIM)	33.8	4.0	µg/L	50.0		67.7	40-140			
Dibenz(a,h)anthracene (SIM)	37.3	4.0	µg/L	50.0		74.7	40-140			
Fluoranthene (SIM)	34.1	10	µg/L	50.0		68.1	40-140			
Fluorene (SIM)	34.2	20	µg/L	50.0		68.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	37.8	4.0	µg/L	50.0		75.7	40-140			
2-Methylnaphthalene (SIM)	34.1	20	µg/L	50.0		68.2	40-140			
Naphthalene (SIM)	31.3	20	µg/L	50.0		62.7	40-140			
Pentachlorophenol (SIM)	28.4	20	µg/L	50.0		56.8	40-140			V-34

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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 B227199 - SW-846 3510C											
LCS (B227199-BS1)				Prepared: 03/31/19 Analyzed: 04/02/19							
Phenanthrene (SIM)	34.1	1.0	µg/L	50.0		68.2	40-140				
Pyrene (SIM)	32.3	20	µg/L	50.0		64.7	40-140				
Surrogate: 2-Fluorophenol	*76.8*		µg/L	200		38.4	15-110				
Surrogate: Phenol-d6	*52.6*		µg/L	200		26.3	15-110				
Surrogate: Nitrobenzene-d5	*67.3*		µg/L	100		67.3	30-130				
Surrogate: 2-Fluorobiphenyl	*57.5*		µg/L	100		57.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*145*		µg/L	200		72.6	15-110				
Surrogate: p-Terphenyl-d14	*57.8*		µg/L	100		57.8	30-130				
LCS Dup (B227199-BSD1)				Prepared: 03/31/19 Analyzed: 04/02/19							
Acenaphthene (SIM)	33.7	6.0	µg/L	50.0		67.4	40-140	0.769	20		
Acenaphthylene (SIM)	33.8	6.0	µg/L	50.0		67.6	40-140	0.593	20		
Anthracene (SIM)	34.6	4.0	µg/L	50.0		69.3	40-140	1.15	20		
Benzo(a)anthracene (SIM)	31.7	1.0	µg/L	50.0		63.4	40-140	1.19	20		
Benzo(a)pyrene (SIM)	36.1	2.0	µg/L	50.0		72.2	40-140	0.882	20		
Benzo(b)fluoranthene (SIM)	36.4	1.0	µg/L	50.0		72.8	40-140	0.275	20		
Benzo(g,h,i)perylene (SIM)	36.2	10	µg/L	50.0		72.4	40-140	0.716	20		
Benzo(k)fluoranthene (SIM)	35.5	4.0	µg/L	50.0		71.0	40-140	0.113	20		
Chrysene (SIM)	33.6	4.0	µg/L	50.0		67.3	40-140	0.593	20		
Dibenz(a,h)anthracene (SIM)	37.4	4.0	µg/L	50.0		74.7	40-140	0.0535	20		
Fluoranthene (SIM)	33.3	10	µg/L	50.0		66.6	40-140	2.20	20		
Fluorene (SIM)	33.8	20	µg/L	50.0		67.7	40-140	1.12	20		
Indeno(1,2,3-cd)pyrene (SIM)	37.7	4.0	µg/L	50.0		75.3	40-140	0.477	20		‡
2-Methylnaphthalene (SIM)	34.2	20	µg/L	50.0		68.4	40-140	0.234	20		
Naphthalene (SIM)	31.6	20	µg/L	50.0		63.1	40-140	0.700	20		
Pentachlorophenol (SIM)	24.5	20	µg/L	50.0		49.0	40-140	14.8	20	V-34	
Phenanthrene (SIM)	34.0	1.0	µg/L	50.0		67.9	40-140	0.411	20		
Pyrene (SIM)	32.7	20	µg/L	50.0		65.4	40-140	1.17	20		
Surrogate: 2-Fluorophenol	*88.4*		µg/L	200		44.2	15-110				
Surrogate: Phenol-d6	*58.9*		µg/L	200		29.5	15-110				
Surrogate: Nitrobenzene-d5	*67.3*		µg/L	100		67.3	30-130				
Surrogate: 2-Fluorobiphenyl	*56.0*		µg/L	100		56.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*133*		µg/L	200		66.7	15-110				
Surrogate: p-Terphenyl-d14	*56.7*		µg/L	100		56.7	30-130				
Batch B227370 - SW-846 3510C											
Blank (B227370-BLK1)				Prepared: 04/02/19 Analyzed: 04/04/19							
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								

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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 B227370 - SW-846 3510C										
Blank (B227370-BLK1)				Prepared: 04/02/19 Analyzed: 04/09/19						
Pentachlorophenol (SIM)	ND	1.0	µg/L							V-34
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*108*		µg/L	200		54.1	15-110			
Surrogate: Phenol-d6	*69.6*		µg/L	200		34.8	15-110			
Surrogate: Nitrobenzene-d5	*73.9*		µg/L	100		73.9	30-130			
Surrogate: 2-Fluorobiphenyl	*50.7*		µg/L	100		50.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*152*		µg/L	200		75.8	15-110			
Surrogate: p-Terphenyl-d14	*66.5*		µg/L	100		66.5	30-130			
LCS (B227370-BS1)				Prepared: 04/02/19 Analyzed: 04/09/19						
Acenaphthene (SIM)	33.3	6.0	µg/L	50.0		66.6	40-140			
Acenaphthylene (SIM)	33.0	6.0	µg/L	50.0		65.9	40-140			
Anthracene (SIM)	36.8	4.0	µg/L	50.0		73.6	40-140			
Benzo(a)anthracene (SIM)	33.6	1.0	µg/L	50.0		67.2	40-140			
Benzo(a)pyrene (SIM)	37.7	2.0	µg/L	50.0		75.3	40-140			
Benzo(b)fluoranthene (SIM)	38.9	1.0	µg/L	50.0		77.8	40-140			
Benzo(g,h,i)perylene (SIM)	37.3	10	µg/L	50.0		74.6	40-140			
Benzo(k)fluoranthene (SIM)	39.0	4.0	µg/L	50.0		77.9	40-140			
Chrysene (SIM)	35.1	4.0	µg/L	50.0		70.3	40-140			
Dibenz(a,h)anthracene (SIM)	38.8	4.0	µg/L	50.0		77.6	40-140			
Fluoranthene (SIM)	36.1	10	µg/L	50.0		72.2	40-140			
Fluorene (SIM)	35.2	20	µg/L	50.0		70.3	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	38.7	4.0	µg/L	50.0		77.4	40-140			
2-Methylnaphthalene (SIM)	32.9	20	µg/L	50.0		65.8	40-140			
Naphthalene (SIM)	31.8	20	µg/L	50.0		63.6	40-140			
Pentachlorophenol (SIM)	28.8	20	µg/L	50.0		57.5	40-140			V-34
Phenanthrene (SIM)	35.3	1.0	µg/L	50.0		70.6	40-140			
Pyrene (SIM)	33.3	20	µg/L	50.0		66.7	40-140			
Surrogate: 2-Fluorophenol	*81.1*		µg/L	200		40.5	15-110			
Surrogate: Phenol-d6	*55.7*		µg/L	200		27.9	15-110			
Surrogate: Nitrobenzene-d5	*64.6*		µg/L	100		64.6	30-130			
Surrogate: 2-Fluorobiphenyl	*47.5*		µg/L	100		47.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*115*		µg/L	200		57.5	15-110			
Surrogate: p-Terphenyl-d14	*50.0*		µg/L	100		50.0	30-130			
LCS Dup (B227370-BSD1)				Prepared: 04/02/19 Analyzed: 04/09/19						
Acenaphthene (SIM)	31.1	6.0	µg/L	50.0		62.2	40-140	6.77	20	
Acenaphthylene (SIM)	30.6	6.0	µg/L	50.0		61.3	40-140	7.30	20	
Anthracene (SIM)	33.7	4.0	µg/L	50.0		67.4	40-140	8.80	20	
Benzo(a)anthracene (SIM)	30.7	1.0	µg/L	50.0		61.4	40-140	9.01	20	
Benzo(a)pyrene (SIM)	34.6	2.0	µg/L	50.0		69.2	40-140	8.47	20	
Benzo(b)fluoranthene (SIM)	35.7	1.0	µg/L	50.0		71.5	40-140	8.47	20	
Benzo(g,h,i)perylene (SIM)	34.3	10	µg/L	50.0		68.6	40-140	8.44	20	
Benzo(k)fluoranthene (SIM)	36.2	4.0	µg/L	50.0		72.4	40-140	7.40	20	
Chrysene (SIM)	32.4	4.0	µg/L	50.0		64.7	40-140	8.24	20	
Dibenz(a,h)anthracene (SIM)	35.7	4.0	µg/L	50.0		71.4	40-140	8.33	20	
Fluoranthene (SIM)	31.8	10	µg/L	50.0		63.7	40-140	12.5	20	
Fluorene (SIM)	31.9	20	µg/L	50.0		63.7	40-140	9.85	20	
Indeno(1,2,3-cd)pyrene (SIM)	35.6	4.0	µg/L	50.0		71.2	40-140	8.29	20	‡
2-Methylnaphthalene (SIM)	30.5	20	µg/L	50.0		61.0	40-140	7.44	20	
Naphthalene (SIM)	29.6	20	µg/L	50.0		59.1	40-140	7.30	20	
Pentachlorophenol (SIM)	26.5	20	µg/L	50.0		53.0	40-140	8.25	20	V-34

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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 B227370 - SW-846 3510C										
LCS Dup (B227370-BSD1)				Prepared: 04/02/19 Analyzed: 04/09/19						
Phenanthrene (SIM)	32.5	1.0	µg/L	50.0		65.0	40-140	8.32	20	
Pyrene (SIM)	30.9	20	µg/L	50.0		61.8	40-140	7.53	20	
Surrogate: 2-Fluorophenol	*68.3*		µg/L	200		34.2	15-110			
Surrogate: Phenol-d6	*50.6*		µg/L	200		25.3	15-110			
Surrogate: Nitrobenzene-d5	*58.6*		µg/L	100		58.6	30-130			
Surrogate: 2-Fluorobiphenyl	*45.9*		µg/L	100		45.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*105*		µg/L	200		52.4	15-110			
Surrogate: p-Terphenyl-d14	*47.6*		µg/L	100		47.6	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 B227330 - SW-846 3510C										
Blank (B227330-BLK1)				Prepared & Analyzed: 04/04/19						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*0.892*		µg/L	2.00		44.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.920*		µg/L	2.00		46.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.850*		µg/L	2.00		42.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.885*		µg/L	2.00		44.2	30-150			
LCS (B227330-BS1)				Prepared & Analyzed: 04/04/19						
Aroclor-1016	0.26	0.20	µg/L	0.500		52.6	40-140			
Aroclor-1016 [2C]	0.29	0.20	µg/L	0.500		57.4	40-140			
Aroclor-1260	0.24	0.20	µg/L	0.500		47.7	40-140			
Aroclor-1260 [2C]	0.26	0.20	µg/L	0.500		51.7	40-140			
Surrogate: Decachlorobiphenyl	*0.971*		µg/L	2.00		48.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		µg/L	2.00		50.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.943*		µg/L	2.00		47.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.982*		µg/L	2.00		49.1	30-150			
LCS Dup (B227330-BSD1)				Prepared & Analyzed: 04/04/19						
Aroclor-1016	0.26	0.20	µg/L	0.500		52.4	40-140	0.415	20	
Aroclor-1016 [2C]	0.28	0.20	µg/L	0.500		56.8	40-140	1.13	20	
Aroclor-1260	0.24	0.20	µg/L	0.500		47.7	40-140	0.0419	20	
Aroclor-1260 [2C]	0.25	0.20	µg/L	0.500		50.7	40-140	1.91	20	
Surrogate: Decachlorobiphenyl	*1.01*		µg/L	2.00		50.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		µg/L	2.00		52.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.06*		µg/L	2.00		53.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.10*		µg/L	2.00		55.0	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 B227179 - SW-846 3510C										
Blank (B227179-BLK1)				Prepared: 04/01/19 Analyzed: 04/02/19						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0577*		mg/L	0.100		57.7	50-150			
LCS (B227179-BS1)				Prepared: 04/01/19 Analyzed: 04/02/19						
CT ETPH	0.667	0.15	mg/L	1.00		66.7	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0668*		mg/L	0.100		66.8	50-150			
LCS Dup (B227179-BSD1)				Prepared: 04/01/19 Analyzed: 04/02/19						
CT ETPH	0.662	0.15	mg/L	1.00		66.2	60-120	0.729	30	
Surrogate: 2-Fluorobiphenyl	*0.0677*		mg/L	0.100		67.7	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B226838 - SW-846 7470A Prep										
Blank (B226838-BLK1)				Prepared: 03/28/19 Analyzed: 03/29/19						
Mercury	ND	0.00010	mg/L							
LCS (B226838-BS1)				Prepared: 03/28/19 Analyzed: 03/29/19						
Mercury	0.00386	0.00010	mg/L	0.00400		96.6	80-120			
LCS Dup (B226838-BSD1)				Prepared: 03/28/19 Analyzed: 03/29/19						
Mercury	0.00385	0.00010	mg/L	0.00400		96.2	80-120	0.364	20	
Batch B227244 - SW-846 3005A										
Blank (B227244-BLK1)				Prepared: 04/02/19 Analyzed: 04/03/19						
Arsenic	ND	0.40	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.50	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	1.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.50	µg/L							
LCS (B227244-BS1)				Prepared: 04/02/19 Analyzed: 04/03/19						
Arsenic	524	4.0	µg/L	500		105	80-120			
Barium	518	100	µg/L	500		104	80-120			
Cadmium	541	5.0	µg/L	500		108	80-120			
Chromium	550	10	µg/L	500		110	80-120			
Lead	526	10	µg/L	500		105	80-120			
Selenium	513	50	µg/L	500		103	80-120			
Silver	523	5.0	µg/L	500		105	80-120			
LCS Dup (B227244-BSD1)				Prepared: 04/02/19 Analyzed: 04/03/19						
Arsenic	498	4.0	µg/L	500		99.7	80-120	5.04	20	
Barium	488	100	µg/L	500		97.7	80-120	6.01	20	
Cadmium	511	5.0	µg/L	500		102	80-120	5.56	20	
Chromium	514	10	µg/L	500		103	80-120	6.68	20	
Lead	513	10	µg/L	500		103	80-120	2.58	20	
Selenium	488	50	µg/L	500		97.5	80-120	5.07	20	
Silver	496	5.0	µg/L	500		99.1	80-120	5.39	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B227330-BS1 Date(s) Analyzed: 04/04/2019 04/04/2019

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.29	10.9
Aroclor-1260	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.26	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B227330-BSD1 Date(s) Analyzed: 04/04/2019 04/04/2019

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.28	7.4
Aroclor-1260	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.25	4.1

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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.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 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
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
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	12/14/2019
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

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

19C1457

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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) *1	Total RCRA 8 Metals	TOTAL LEAD
								3 H V	2 I A	2 I A	2 I A	1 N P	1 N P
1	MW-15	3/26/19	1200		X	GW	U			X			
2	MW-16		1050							X	X		
3	MW-202		1000							X			
4	MW-203		1240						X	X			
5	MW-10		1330					X		X	X		X
6	MW-T3		955							X			
7	MW-T6		1030							X		X	
8	CCA-3		1120					X	X	X		X	
9	MW-6		1235						X	X	X	X	
10	MW-2a	↓	1430		↓	↓	↓	X		X	X		X

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: (1) Please bill Weston & Sampson directly, using Eversource rates.

*1 - Run all SVOC samples using SIM method at low detection limits

Work Order 19C1457
Please remove PCBs from MW-6
Please remove metals from MW-6 and MW-T6
Please remove PCBs from CCA-3 and **ADD** SVOCs including PCP via SIM
Per Laura Y - MEK 3/29/19

ssible sample concentration
nn above:
lean; U - Unknown

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Information

Certification Form Required
rtification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

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

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

1gc1457

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 10227659
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

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

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

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP) *1	Total RCRA 8 Metals						# 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					
11	MW-310	3/26/19	1410		X	GW	U			X								
12	Dup-1		-							X	X	X	X					
13	Dup-2		-					X										
14	Trip Blank		-					X										

ANALYSIS REQUESTED

Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/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.

*1 - Run all SVOC samples using SIM method at low detection limits

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

Relinquished by: (signature)	Date/Time:
Received by: (signature) Tom Mair	Date/Time: 3/27/19 0932
Relinquished by: (signature) Tom Mair	Date/Time: 3/27/19 1200
Received by: (signature)	Date/Time: 3/27/19 1000
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.

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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 WS

Received By SL Date 3/27/19 Time 1000

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 # 3 Actual Temp - 4.6, 9.8, 5.3
By Blank # _____ Actual Temp - _____

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

Vials		Containers:	#		#		#
Unp-		1 Liter Amb.	34	1 Liter Plastic		16 oz Amb.	
HCL-	4/14	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	6	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	8	Other Plastic		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:

Meghan Kelley

From: Yellen, Laura
Sent: Thursday, March 28, 2019 12:22 PM
To: Meghan Kelley
Cc: Sirotnak, William
Subject: Simsbury
Attachments: 1029_001.pdf

Meghan,
Please find attached a REVISED COC for groundwater samples collected Tues. 2/26. Just needed to change out the full SVOC via SIM analysis for PAH via SIM analysis on all but one sample. The only sample that should be analyzed for full SVOC via SIM is MW-16……..all other sampled on this COC and other COCs for this site should be for the shortened PAH via SIM analysis.

Thanks!
Laura

Laura Yellen
SENIOR PROJECT ENVIRONMENTAL SCIENTIST
office: 860-513-1473 ext. 3080
direct: 860-616-6621

Weston & Sampson
273 Dividend Road | Rocky Hill, CT 06067
tel: 860-513-1473
westonandsampson.com

Facebook | Twitter | LinkedIn

From: WSscan@wseinc.com <WSscan@wseinc.com>
Sent: Thursday, March 28, 2019 11:48 AM
To: Yellen, Laura <yellenl@wseinc.com>
Subject: Attached Image

The contents of this e-mail and any attachments are the property of the Weston & Sampson companies. The e-mail contents are only to be used by the intended recipient of the e-mail. If you are not the intended recipient, then use, disclosure, copying, distribution or reliance on the e-mail is prohibited. All professional advice from us should be obtained in writing (not e-mail).

C:\MSDChem\4\DATA\D040219\D0402006.D

CT ETPH DISCRIMINATION CHECK

Data File Name	D0402006.D
Data File Path	C:\MSDChem\4\DATA\D040219\
Operator	RMW
Date Acquired	4/2/2019 9:20
Acq. Method File	EPH11D.M
Sample Name	ETPH 1500
Instrument Name	GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.61	7558279	8237464	8
C-10	2.26	7763187	8237464	6
C-12	3.20	8120827	8237464	1
C-14	3.92	8453415	8237464	-3
C-16	4.54	8583371	8237464	-4
C-18	5.10	8427116	8237464	-2
C-20	5.71	8631017	8237464	-5
C-22	6.47	8789937	8237464	-7
C-24	7.31	8012035	8237464	3
C-26	8.12	8762194	8237464	-6
C-28	8.87	8602730	8237464	-4
C-30	9.56	8488027	8237464	-3
C-32	10.20	8223894	8237464	0
C-34	10.80	7708089	8237464	6
C-36	11.40	7437851	8237464	10

Samples

19C1457-01
19C1457-02
19C1457-03
19C1457-04
19C1457-07
19C1457-08
19C1457-10
19C1457-11
19C1457-05
19C1457-09
19C1457-12
19C1457-06@2X

*One compound allowed %D</=50%

C:\MSDCHEM\4\DATA\D040219.SEC\D0402097.D

CT ETPH DISCRIMINATION CHECK

Data File Name D0402097.D
Data File Path C:\MSDCHEM\4\DATA\D040219.SEC\
Operator RMW
Date Acquired 4/3/2019 12:43
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.64	8960214	9780681	8
C-10	2.27	9267336	9780681	5
C-12	3.21	9626006	9780681	2
C-14	3.92	9965815	9780681	-2
C-16	4.53	10091054	9780681	-3
C-18	5.08	9916480	9780681	-1
C-20	5.69	10162773	9780681	-4
C-22	6.43	10380530	9780681	-6
C-24	7.27	9488539	9780681	3
C-26	8.08	10397684	9780681	-6
C-28	8.83	10236364	9780681	-5
C-30	9.51	10145109	9780681	-4
C-32	10.15	9858832	9780681	-1
C-34	10.75	9268848	9780681	5
C-36	11.33	8944633	9780681	9

Samples
19C1412-12@50X
19C1457-12@10X

*One compound allowed %D</=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 19C1457

Laboratory Sample ID(s):

19C1457-01 thru 19C1457-14

Sample Date(s):

03/26/2019

List RCP Methods Used:

CTDEP ETPH, SW-846 6020B, SW-846 7470A, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

Lisa A. Worthington

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

Authorized Signature: Lisa Worthington **Position:** Technical Representative

Printed Name: Lisa A. Worthington **Date:** 04/09/19

Name of Laboratory: Con-Test Analytical Laboratory

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

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

April 9, 2019

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: 19C1496

Enclosed are results of analyses for samples received by the laboratory on March 28, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 4/9/2019

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19C1496

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
CCA-2	19C1496-01	Ground Water		CTDEP ETPH	
MW-TRW-1	19C1496-02	Ground Water		CTDEP ETPH	
MW-11a	19C1496-03	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 8260C	
				SW-846 8270D	
MW-200	19C1496-04	Ground Water		CTDEP ETPH	
CCA-5	19C1496-05	Ground Water		CTDEP ETPH	
Trip Blank	19C1496-06	Trip Blank Water		SW-846 8260C	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

2-Hexanone (MBK)
B226928-BS1, S034188-CCV1

4-Methyl-2-pentanone (MIBK)
B226928-BS1, S034188-CCV1

Chloromethane
B226928-BS1, S034188-CCV1

Tetrahydrofuran
B226928-BS1, S034188-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2-Hexanone (MBK)
B226928-BS1, S034188-CCV1

4-Methyl-2-pentanone (MIBK)
B226928-BS1, S034188-CCV1

Chloromethane
B226928-BS1, S034188-CCV1

Tetrahydrofuran
B226928-BS1, S034188-CCV1

SW-846 8270D

Qualifications:

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:

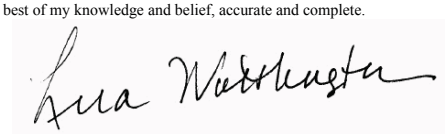
Pentachlorophenol (SIM)
19C1496-03[MW-11a], B227370-BLK1, B227370-BS1, B227370-BSD1, S034454-CCV1

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

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.



Lisa A. Worthington
Technical Representative

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: 19C1496

Date Received: 3/28/2019

Field Sample #: CCA-2
Sampled: 3/27/2019 10:00

Sample ID: 19C1496-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	4/3/19	4/3/19 21:06	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	66.2	50-150				4/3/19 21:06	

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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: 19C1496

Date Received: 3/28/2019

Field Sample #: MW-TRW-1 | Sampled: 3/27/2019 11:00

Sample ID: 19C1496-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.67	0.15	mg/L	1		CTDEP ETPH	4/3/19	4/3/19 21:26	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	66.5	50-150		4/3/19 21:26

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: 19C1496

Date Received: 3/28/2019

Field Sample #: MW-11a | Sampled: 3/27/2019 11:50

Sample ID: 19C1496-03

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	3/29/19	3/29/19 16:31	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH

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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: 19C1496

Date Received: 3/28/2019

Field Sample #: MW-11a | Sampled: 3/27/2019 11:50

Sample ID: 19C1496-03

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	3/29/19	3/29/19 16:31	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 16:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		3/29/19 16:31
Toluene-d8	100	70-130		3/29/19 16:31
4-Bromofluorobenzene	92.2	70-130		3/29/19 16:31

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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: 19C1496

Date Received: 3/28/2019

Field Sample #: MW-11a | Sampled: 3/27/2019 11:50

Sample ID: 19C1496-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Benzo(a)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Fluorene (SIM)	ND	0.99	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
2-Methylnaphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Naphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Pentachlorophenol (SIM)	ND	0.99	µg/L	1	V-34	SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA
Pyrene (SIM)	ND	0.99	µg/L	1		SW-846 8270D	4/2/19	4/9/19 12:10	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol (SIM)	40.4	15-110		4/9/19 12:10
Phenol-d6 (SIM)	27.6	15-110		4/9/19 12:10
Nitrobenzene-d5	63.3	30-130		4/9/19 12:10
2-Fluorobiphenyl	49.0	30-130		4/9/19 12:10
2,4,6-Tribromophenol (SIM)	68.9	15-110		4/9/19 12:10
p-Terphenyl-d14	52.7	30-130		4/9/19 12:10

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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: 19C1496

Date Received: 3/28/2019

Field Sample #: MW-11a | Sampled: 3/27/2019 11:50

Sample ID: 19C1496-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.30	0.15	mg/L	1		CTDEP ETPH	4/3/19	4/3/19 22:27	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	67.9	50-150		4/3/19 22:27

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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: 19C1496

Date Received: 3/28/2019

Field Sample #: MW-11a | Sampled: 3/27/2019 11:50

Sample ID: 19C1496-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	1.0	µg/L	1		SW-846 6020B	4/2/19	4/3/19 13:35	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1496

Date Received: 3/28/2019

Field Sample #: MW-200 | Sampled: 3/27/2019 13:15

Sample ID: 19C1496-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	4/3/19	4/3/19 21:47	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	69.8	50-150		4/3/19 21:47

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: 19C1496

Date Received: 3/28/2019

Field Sample #: CCA-5 | Sampled: 3/27/2019 13:40

Sample ID: 19C1496-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	4/3/19	4/3/19 22:07	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	69.7	50-150		4/3/19 22:07

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: 19C1496

Date Received: 3/28/2019

Field Sample #: Trip Blank | Sampled: 3/27/2019 00:00

Sample ID: 19C1496-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH

con-test® ANALYTICAL LABORATORY
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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1496

Date Received: 3/28/2019

Field Sample #: Trip Blank | Sampled: 3/27/2019 00:00

Sample ID: 19C1496-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/29/19	3/29/19 10:46	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.0	70-130		3/29/19 10:46
Toluene-d8	100	70-130		3/29/19 10:46
4-Bromofluorobenzene	93.6	70-130		3/29/19 10:46

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1496-01 [CCA-2]	B227292	1010	1.00	04/03/19
19C1496-02 [MW-TRW-1]	B227292	1010	1.00	04/03/19
19C1496-03 [MW-11a]	B227292	1010	1.00	04/03/19
19C1496-04 [MW-200]	B227292	1010	1.00	04/03/19
19C1496-05 [CCA-5]	B227292	1010	1.00	04/03/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1496-03 [MW-11a]	B227244	50.0	50.0	04/02/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1496-03 [MW-11a]	B226928	5	5.00	03/29/19
19C1496-06 [Trip Blank]	B226928	5	5.00	03/29/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1496-03 [MW-11a]	B227370	1020	1.00	04/02/19

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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 B226928 - SW-846 5030B										
Blank (B226928-BLK1)				Prepared & Analyzed: 03/29/19						
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	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B226928 - SW-846 5030B											
Blank (B226928-BLK1)				Prepared & Analyzed: 03/29/19							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	1.0	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0		91.2		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.5		70-130			
LCS (B226928-BS1)				Prepared & Analyzed: 03/29/19							
Acetone	99.6	10	µg/L	100		99.6		70-130			
Acrylonitrile	12.6	2.0	µg/L	10.0		126		70-130			
Benzene	9.68	0.50	µg/L	10.0		96.8		70-130			
Bromobenzene	9.76	0.50	µg/L	10.0		97.6		70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103		70-130			
Bromoform	11.8	0.50	µg/L	10.0		118		70-130			
Bromomethane	9.85	1.0	µg/L	10.0		98.5		70-130			
2-Butanone (MEK)	129	5.0	µg/L	100		129		70-130			
n-Butylbenzene	10.9	1.0	µg/L	10.0		109		70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107		70-130			
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130			
Carbon Disulfide	83.8	5.0	µg/L	100		83.8		70-130			
Carbon Tetrachloride	9.61	0.50	µg/L	10.0		96.1		70-130			
Chlorobenzene	9.58	0.50	µg/L	10.0		95.8		70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107		70-130			
Chloroethane	7.93	0.50	µg/L	10.0		79.3		70-130			
Chloroform	9.58	0.50	µg/L	10.0		95.8		70-130			
Chloromethane	15.6	0.60	µg/L	10.0		**156**	*	70-130			L-01, V-20
2-Chlorotoluene	9.05	0.50	µg/L	10.0		90.5		70-130			
4-Chlorotoluene	9.58	0.50	µg/L	10.0		95.8		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.6	1.0	µg/L	10.0		116		70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107		70-130			
Dibromomethane	9.55	0.50	µg/L	10.0		95.5		70-130			
1,2-Dichlorobenzene	9.94	0.50	µg/L	10.0		99.4		70-130			
1,3-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
1,4-Dichlorobenzene	9.45	0.50	µg/L	10.0		94.5		70-130			
trans-1,4-Dichloro-2-butene	11.4	2.0	µg/L	10.0		114		70-130			
Dichlorodifluoromethane (Freon 12)	8.35	0.50	µg/L	10.0		83.5		70-130			
1,1-Dichloroethane	10.9	0.50	µg/L	10.0		109		70-130			
1,2-Dichloroethane	9.00	0.50	µg/L	10.0		90.0		70-130			
1,1-Dichloroethylene	8.74	0.50	µg/L	10.0		87.4		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B226928 - SW-846 5030B											
LCS (B226928-BS1)				Prepared & Analyzed: 03/29/19							
cis-1,2-Dichloroethylene	10.7	0.50	µg/L	10.0		107		70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130			
1,2-Dichloropropane	11.5	0.50	µg/L	10.0		115		70-130			
1,3-Dichloropropane	9.50	0.50	µg/L	10.0		95.0		70-130			
2,2-Dichloropropane	11.6	0.50	µg/L	10.0		116		70-130			
1,1-Dichloropropene	9.85	0.50	µg/L	10.0		98.5		70-130			
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130			
trans-1,3-Dichloropropene	11.5	0.50	µg/L	10.0		115		70-130			
Ethylbenzene	10.4	0.50	µg/L	10.0		104		70-130			
Hexachlorobutadiene	10.5	0.60	µg/L	10.0		105		70-130			
2-Hexanone (MBK)	131	5.0	µg/L	100		**131**	*	70-130			L-01, V-20
Isopropylbenzene (Cumene)	10.5	0.50	µg/L	10.0		105		70-130			
p-Isopropyltoluene (p-Cymene)	10.6	0.50	µg/L	10.0		106		70-130			
Methyl tert-Butyl Ether (MTBE)	9.90	0.50	µg/L	10.0		99.0		70-130			
Methylene Chloride	11.2	5.0	µg/L	10.0		112		70-130			
4-Methyl-2-pentanone (MIBK)	136	5.0	µg/L	100		**136**	*	70-130			L-01, V-20
Naphthalene	9.57	2.0	µg/L	10.0		95.7		70-130			
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130			
Styrene	10.7	1.0	µg/L	10.0		107		70-130			
1,1,1,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108		70-130			
Tetrahydrofuran	13.9	10	µg/L	10.0		**139**	*	70-130			L-01, V-20
Toluene	9.75	1.0	µg/L	10.0		97.5		70-130			
1,2,3-Trichlorobenzene	9.80	1.0	µg/L	10.0		98.0		70-130			
1,2,4-Trichlorobenzene	9.69	0.50	µg/L	10.0		96.9		70-130			
1,1,1-Trichloroethane	9.84	0.50	µg/L	10.0		98.4		70-130			
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103		70-130			
Trichloroethylene	10.2	1.0	µg/L	10.0		102		70-130			
Trichlorofluoromethane (Freon 11)	8.14	2.0	µg/L	10.0		81.4		70-130			
1,2,3-Trichloropropane	8.23	0.50	µg/L	10.0		82.3		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.71	0.50	µg/L	10.0		77.1		70-130			
1,2,4-Trimethylbenzene	9.99	0.50	µg/L	10.0		99.9		70-130			
1,3,5-Trimethylbenzene	9.74	0.50	µg/L	10.0		97.4		70-130			
Vinyl Chloride	9.40	1.0	µg/L	10.0		94.0		70-130			
m+p Xylene	19.5	2.0	µg/L	20.0		97.6		70-130			
o-Xylene	9.81	1.0	µg/L	10.0		98.1		70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.8		70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.7		70-130			
Surrogate: 4-Bromofluorobenzene	*24.2*		µg/L	25.0		97.0		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B227370 - SW-846 3510C										
Blank (B227370-BLK1)				Prepared: 04/02/19 Analyzed: 04/04/19						
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							V-34
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*108*		µg/L	200		54.1	15-110			
Surrogate: Phenol-d6	*69.6*		µg/L	200		34.8	15-110			
Surrogate: Nitrobenzene-d5	*73.9*		µg/L	100		73.9	30-130			
Surrogate: 2-Fluorobiphenyl	*50.7*		µg/L	100		50.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*152*		µg/L	200		75.8	15-110			
Surrogate: p-Terphenyl-d14	*66.5*		µg/L	100		66.5	30-130			
LCS (B227370-BS1)				Prepared: 04/02/19 Analyzed: 04/09/19						
Acenaphthene (SIM)	33.3	6.0	µg/L	50.0		66.6	40-140			
Acenaphthylene (SIM)	33.0	6.0	µg/L	50.0		65.9	40-140			
Anthracene (SIM)	36.8	4.0	µg/L	50.0		73.6	40-140			
Benzo(a)anthracene (SIM)	33.6	1.0	µg/L	50.0		67.2	40-140			
Benzo(a)pyrene (SIM)	37.7	2.0	µg/L	50.0		75.3	40-140			
Benzo(b)fluoranthene (SIM)	38.9	1.0	µg/L	50.0		77.8	40-140			
Benzo(g,h,i)perylene (SIM)	37.3	10	µg/L	50.0		74.6	40-140			
Benzo(k)fluoranthene (SIM)	39.0	4.0	µg/L	50.0		77.9	40-140			
Chrysene (SIM)	35.1	4.0	µg/L	50.0		70.3	40-140			
Dibenz(a,h)anthracene (SIM)	38.8	4.0	µg/L	50.0		77.6	40-140			
Fluoranthene (SIM)	36.1	10	µg/L	50.0		72.2	40-140			
Fluorene (SIM)	35.2	20	µg/L	50.0		70.3	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	38.7	4.0	µg/L	50.0		77.4	40-140			
2-Methylnaphthalene (SIM)	32.9	20	µg/L	50.0		65.8	40-140			
Naphthalene (SIM)	31.8	20	µg/L	50.0		63.6	40-140			
Pentachlorophenol (SIM)	28.8	20	µg/L	50.0		57.5	40-140			V-34
Phenanthrene (SIM)	35.3	1.0	µg/L	50.0		70.6	40-140			
Pyrene (SIM)	33.3	20	µg/L	50.0		66.7	40-140			
Surrogate: 2-Fluorophenol	*81.1*		µg/L	200		40.5	15-110			
Surrogate: Phenol-d6	*55.7*		µg/L	200		27.9	15-110			
Surrogate: Nitrobenzene-d5	*64.6*		µg/L	100		64.6	30-130			
Surrogate: 2-Fluorobiphenyl	*47.5*		µg/L	100		47.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*115*		µg/L	200		57.5	15-110			
Surrogate: p-Terphenyl-d14	*50.0*		µg/L	100		50.0	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 B227370 - SW-846 3510C											
LCS Dup (B227370-BSD1)				Prepared: 04/02/19 Analyzed: 04/09/19							
Acenaphthene (SIM)	31.1	6.0	µg/L	50.0		62.2	40-140	6.77	20		
Acenaphthylene (SIM)	30.6	6.0	µg/L	50.0		61.3	40-140	7.30	20		
Anthracene (SIM)	33.7	4.0	µg/L	50.0		67.4	40-140	8.80	20		
Benzo(a)anthracene (SIM)	30.7	1.0	µg/L	50.0		61.4	40-140	9.01	20		
Benzo(a)pyrene (SIM)	34.6	2.0	µg/L	50.0		69.2	40-140	8.47	20		
Benzo(b)fluoranthene (SIM)	35.7	1.0	µg/L	50.0		71.5	40-140	8.47	20		
Benzo(g,h,i)perylene (SIM)	34.3	10	µg/L	50.0		68.6	40-140	8.44	20		
Benzo(k)fluoranthene (SIM)	36.2	4.0	µg/L	50.0		72.4	40-140	7.40	20		
Chrysene (SIM)	32.4	4.0	µg/L	50.0		64.7	40-140	8.24	20		
Dibenz(a,h)anthracene (SIM)	35.7	4.0	µg/L	50.0		71.4	40-140	8.33	20		
Fluoranthene (SIM)	31.8	10	µg/L	50.0		63.7	40-140	12.5	20		
Fluorene (SIM)	31.9	20	µg/L	50.0		63.7	40-140	9.85	20		
Indeno(1,2,3-cd)pyrene (SIM)	35.6	4.0	µg/L	50.0		71.2	40-140	8.29	20		‡
2-Methylnaphthalene (SIM)	30.5	20	µg/L	50.0		61.0	40-140	7.44	20		
Naphthalene (SIM)	29.6	20	µg/L	50.0		59.1	40-140	7.30	20		
Pentachlorophenol (SIM)	26.5	20	µg/L	50.0		53.0	40-140	8.25	20	V-34	
Phenanthrene (SIM)	32.5	1.0	µg/L	50.0		65.0	40-140	8.32	20		
Pyrene (SIM)	30.9	20	µg/L	50.0		61.8	40-140	7.53	20		
Surrogate: 2-Fluorophenol	*68.3*		µg/L	200		34.2	15-110				
Surrogate: Phenol-d6	*50.6*		µg/L	200		25.3	15-110				
Surrogate: Nitrobenzene-d5	*58.6*		µg/L	100		58.6	30-130				
Surrogate: 2-Fluorobiphenyl	*45.9*		µg/L	100		45.9	30-130				
Surrogate: 2,4,6-Tribromophenol	*105*		µg/L	200		52.4	15-110				
Surrogate: p-Terphenyl-d14	*47.6*		µg/L	100		47.6	30-130				

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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 B227292 - SW-846 3510C										
Blank (B227292-BLK1)				Prepared & Analyzed: 04/03/19						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0692*		mg/L	0.100		69.2	50-150			
LCS (B227292-BS1)				Prepared & Analyzed: 04/03/19						
CT ETPH	0.630	0.15	mg/L	1.00		63.0	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0715*		mg/L	0.100		71.5	50-150			
LCS Dup (B227292-BSD1)				Prepared & Analyzed: 04/03/19						
CT ETPH	0.694	0.15	mg/L	1.00		69.4	60-120	9.70	30	
Surrogate: 2-Fluorobiphenyl	*0.0758*		mg/L	0.100		75.8	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 B227244 - SW-846 3005A										
Blank (B227244-BLK1)				Prepared: 04/02/19 Analyzed: 04/03/19						
Lead	ND	1.0	µg/L							
LCS (B227244-BS1)				Prepared: 04/02/19 Analyzed: 04/03/19						
Lead	526	10	µg/L	500		105	80-120			
LCS Dup (B227244-BSD1)				Prepared: 04/02/19 Analyzed: 04/03/19						
Lead	513	10	µg/L	500		103	80-120	2.58	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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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	
Lead	CT,NH,NY,ME,VA,NC
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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	
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	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
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	12/14/2019
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

MEK 19C1496

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

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 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	PAHs (incl. PCP) *1	Total RCRA 8 Metals	Total Lead
1	CCA-3	3/27/19	1000		X	GW	U			X			
2	MW-TRW-1	↓	1100		↓	↓	↓			X		X	
3	MW-11a		1150					X		X	X		X
4	MW-200		1315							X			
5	MW CCA-5		1340							X			
6	TRIP BLANK	↓	—		X	↓	↓	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.

Metals not being reported on sample -02 - MEK 3/29/19

*1 - Run all PAH samples using SIM method at low detection limits

dicate possible sample concentration
ode column above:
ow; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 3/28/19 12:45
Received by: (signature)	Date/Time: 3/28/19 12:45
Relinquished by: (signature)	Date/Time: 3/28/19 15:20
Received by: (signature)	Date/Time: 3/28/19 1580
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
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 West Sampson

Received By SL Date 3/26/19 Time 1530

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 # 3 Actual Temp - 1530
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? T
Do all samples have the proper pH? Acid T<2 Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	1	1 Liter Plastic		16 oz Amb.	
HCL-	5	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	3	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		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:

C:\MSDChem\2\DATA\B040319B.SEC\B0403007.D

CT ETPH Discrimination Check

Data File Name B0403007.D
Data File Path C:\MSDChem\2\DATA\B040319B.SEC\
Operator RMW
Date Acquired 4/3/2019 17:09
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.61	9786182	10637833	8
n-Decane	2.26	10019519	10637833	6
n-Dodecane	3.20	10339557	10637833	3
n-Tetradecane	3.91	10732007	10637833	-1
n-Hexadecane	4.53	10962798	10637833	-3
n-Octadecane	5.08	10799652	10637833	-2
n-Eicosane	5.70	11120191	10637833	-5
n-Docosane	6.45	11369387	10637833	-7
n-Tetracosane	7.29	10389388	10637833	2
n-Hexacosane	8.10	11375923	10637833	-7
n-Octacosane	8.85	11189857	10637833	-5
n-Triacontane	9.54	11063946	10637833	-4
n-Dotriacontane	10.17	10725610	10637833	-1
n-Tetratriacontane	10.77	10052978	10637833	5
n-Hexatriacontane	11.37	9640503	10637833	9

*One compound allowed %D</=50

Samples

19C1496-01
19C1496-02
19C1496-04
19C1496-05
19C1496-03
19C1551-01
19C1280-02
19C1280-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 19C1496

Laboratory Sample ID(s):
19C1496-01 thru 19C1496-06

Sample Date(s):
03/27/2019

List RCP Methods Used:
CTDEP ETPH, SW-846 6020B, SW-846 8260C, SW-846 8270D

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

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

Lisa A. Worthington

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

Authorized Signature: Lisa Worthington **Position:** Technical Representative

Printed Name: Lisa A. Worthington **Date:** 04/09/19

Name of Laboratory: Con-Test Analytical Laboratory

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

con-test® ANALYTICAL LABORATORY
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April 5, 2019

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: 19C1576

Enclosed are results of analyses for samples received by the laboratory on March 29, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 4/5/2019

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19C1576

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-4R	19C1576-01	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 8260C	
				SW-846 8270D	
MW-AIR-1	19C1576-02	Ground Water		SW-846 8270D	
CCA-1	19C1576-03	Ground Water		SW-846 8082A	
Trip Blank	19C1576-04	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.
For method 6020, only lead was requested and reported.

SW-846 8260C

Qualifications:

L-03

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

Analyte & Samples(s) Qualified:

Bromomethane
19C1576-01[MW-4R], 19C1576-04[Trip Blank], B227120-BLK1, B227120-BS1, S034209-CCV1

Chloromethane
19C1576-01[MW-4R], 19C1576-04[Trip Blank], B227120-BLK1, B227120-BS1, S034209-CCV1

Dichlorodifluoromethane (Freon 12
19C1576-01[MW-4R], 19C1576-04[Trip Blank], B227120-BLK1, B227120-BS1, S034209-CCV1

V-05

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
19C1576-01[MW-4R], 19C1576-04[Trip Blank], B227120-BLK1, B227120-BS1, S034209-CCV1

V-20

Continuing calibration verification (CCV) 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
B227120-BS1, S034209-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
B227120-BS1, S034209-CCV1

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.



Lisa A. Worthington
Project Manager

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1576

Date Received: 3/29/2019

Field Sample #: MW-4R | Sampled: 3/28/2019 10:10

Sample ID: 19C1576-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Bromomethane	ND	2.0	µg/L	1	L-03	SW-846 8260C	4/1/19	4/1/19 19:06	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Chloromethane	ND	0.60	µg/L	1	L-03	SW-846 8260C	4/1/19	4/1/19 19:06	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1576

Date Received: 3/29/2019

Field Sample #: MW-4R | Sampled: 3/28/2019 10:10

Sample ID: 19C1576-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 19:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	83.8	70-130		4/1/19 19:06
Toluene-d8	98.2	70-130		4/1/19 19:06
4-Bromofluorobenzene	100	70-130		4/1/19 19:06

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1576

Date Received: 3/29/2019

Field Sample #: MW-4R | Sampled: 3/28/2019 10:10

Sample ID: 19C1576-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.28	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Benzo(a)anthracene (SIM)	ND	0.047	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Benzo(b)fluoranthene (SIM)	ND	0.047	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.47	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Fluoranthene (SIM)	ND	0.47	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Phenanthrene (SIM)	ND	0.047	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	4/2/19	4/4/19 20:41	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	83.5	30-130		4/4/19 20:41
2-Fluorobiphenyl	57.4	30-130		4/4/19 20:41
p-Terphenyl-d14	71.3	30-130		4/4/19 20:41

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1576

Date Received: 3/29/2019

Field Sample #: MW-4R | Sampled: 3/28/2019 10:10

Sample ID: 19C1576-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.26	0.15	mg/L	1		CTDEP ETPH	4/3/19	4/4/19 15:31	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	80.1	50-150		4/4/19 15:31

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1576

Date Received: 3/29/2019

Field Sample #: MW-4R | Sampled: 3/28/2019 10:10

Sample ID: 19C1576-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	1.0	µg/L	1		SW-846 6020B	4/3/19	4/4/19 14:40	QNW

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19C1576

Date Received: 3/29/2019

Field Sample #: MW-AIR-1 | Sampled: 3/28/2019 10:45

Sample ID: 19C1576-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Dibenz(a,h)anthracene (SIM)	ND	0.098	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Fluorene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA
Pyrene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	4/2/19	4/4/19 21:10	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	71.9	30-130		4/4/19 21:10
2-Fluorobiphenyl	49.5	30-130		4/4/19 21:10
p-Terphenyl-d14	69.0	30-130		4/4/19 21:10

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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: 19C1576

Date Received: 3/29/2019

Field Sample #: CCA-1 | Sampled: 3/28/2019 11:45

Sample ID: 19C1576-03

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	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1221 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1232 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1242 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1248 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1254 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1260 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1262 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB
Aroclor-1268 [1]	ND	0.29	µg/L	1		SW-846 8082A	4/4/19	4/4/19 16:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.5	30-150		4/4/19 16:53
Decachlorobiphenyl [2]	65.1	30-150		4/4/19 16:53
Tetrachloro-m-xylene [1]	63.7	30-150		4/4/19 16:53
Tetrachloro-m-xylene [2]	66.4	30-150		4/4/19 16:53

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: 19C1576

Date Received: 3/29/2019

Field Sample #: Trip Blank | Sampled: 3/28/2019 00:00

Sample ID: 19C1576-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Bromomethane	ND	2.0	µg/L	1	L-03	SW-846 8260C	4/1/19	4/1/19 14:08	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Chloromethane	ND	0.60	µg/L	1	L-03	SW-846 8260C	4/1/19	4/1/19 14:08	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH

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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: 19C1576

Date Received: 3/29/2019

Field Sample #: Trip Blank | Sampled: 3/28/2019 00:00

Sample ID: 19C1576-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/1/19	4/1/19 14:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.9	70-130		4/1/19 14:08
Toluene-d8	99.3	70-130		4/1/19 14:08
4-Bromofluorobenzene	99.0	70-130		4/1/19 14:08

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1576-01 [MW-4R]	B227292	1000	1.00	04/03/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1576-01 [MW-4R]	B227365	50.0	50.0	04/03/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1576-03 [CCA-1]	B227330	140	2.00	04/04/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1576-01 [MW-4R]	B227120	5	5.00	04/01/19
19C1576-04 [Trip Blank]	B227120	5	5.00	04/01/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1576-01 [MW-4R]	B227464	1060	1.00	04/02/19
19C1576-02 [MW-AIR-1]	B227464	1020	1.00	04/02/19

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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 B227120 - SW-846 5030B										
Blank (B227120-BLK1)				Prepared & Analyzed: 04/01/19						
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							L-03
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							L-03
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							L-03, V-05
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B227120 - SW-846 5030B											
Blank (B227120-BLK1)				Prepared & Analyzed: 04/01/19							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	1.0	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.7		70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.2		70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.3		70-130			
LCS (B227120-BS1)				Prepared & Analyzed: 04/01/19							
Acetone	97.8	10	µg/L	100		97.8		70-130			
Acrylonitrile	11.1	2.0	µg/L	10.0		111		70-130			
Benzene	8.62	0.50	µg/L	10.0		86.2		70-130			
Bromobenzene	10.8	0.50	µg/L	10.0		108		70-130			
Bromodichloromethane	9.23	0.50	µg/L	10.0		92.3		70-130			
Bromoform	11.3	0.50	µg/L	10.0		113		70-130			
Bromomethane	5.55	1.0	µg/L	10.0		**55.5**	*	70-130			L-03
2-Butanone (MEK)	77.5	5.0	µg/L	100		77.5		70-130			
n-Butylbenzene	9.90	1.0	µg/L	10.0		99.0		70-130			
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130			
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100		70-130			
Carbon Disulfide	11.2	5.0	µg/L	10.0		112		70-130			
Carbon Tetrachloride	8.24	0.50	µg/L	10.0		82.4		70-130			
Chlorobenzene	11.3	0.50	µg/L	10.0		113		70-130			
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105		70-130			
Chloroethane	9.79	0.50	µg/L	10.0		97.9		70-130			
Chloroform	8.69	0.50	µg/L	10.0		86.9		70-130			
Chloromethane	6.61	0.60	µg/L	10.0		**66.1**	*	70-130			L-03
2-Chlorotoluene	10.3	0.50	µg/L	10.0		103		70-130			
4-Chlorotoluene	11.0	0.50	µg/L	10.0		110		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.94	1.0	µg/L	10.0		89.4		70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102		70-130			
Dibromomethane	10.2	0.50	µg/L	10.0		102		70-130			
1,2-Dichlorobenzene	11.1	0.50	µg/L	10.0		111		70-130			
1,3-Dichlorobenzene	11.1	0.50	µg/L	10.0		111		70-130			
1,4-Dichlorobenzene	10.9	0.50	µg/L	10.0		109		70-130			
trans-1,4-Dichloro-2-butene	8.81	2.0	µg/L	10.0		88.1		70-130			
Dichlorodifluoromethane (Freon 12)	6.39	0.50	µg/L	10.0		**63.9**	*	70-130			L-03, V-05
1,1-Dichloroethane	8.65	0.50	µg/L	10.0		86.5		70-130			
1,2-Dichloroethane	8.06	0.50	µg/L	10.0		80.6		70-130			
1,1-Dichloroethylene	9.54	0.50	µg/L	10.0		95.4		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B227120 - SW-846 5030B										
LCS (B227120-BS1)				Prepared & Analyzed: 04/01/19						
cis-1,2-Dichloroethylene	8.84	0.50	µg/L	10.0		88.4	70-130			
trans-1,2-Dichloroethylene	8.75	1.0	µg/L	10.0		87.5	70-130			
1,2-Dichloropropane	8.99	0.50	µg/L	10.0		89.9	70-130			
1,3-Dichloropropane	9.69	0.50	µg/L	10.0		96.9	70-130			
2,2-Dichloropropane	8.20	0.50	µg/L	10.0		82.0	70-130			
1,1-Dichloropropene	8.09	0.50	µg/L	10.0		80.9	70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
Ethylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
Hexachlorobutadiene	12.0	0.60	µg/L	10.0		120	70-130			V-20, V-36
2-Hexanone (MBK)	89.4	5.0	µg/L	100		89.4	70-130			
Isopropylbenzene (Cumene)	10.6	0.50	µg/L	10.0		106	70-130			
p-Isopropyltoluene (p-Cymene)	10.4	0.50	µg/L	10.0		104	70-130			
Methyl tert-Butyl Ether (MTBE)	9.84	0.50	µg/L	10.0		98.4	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	90.2	5.0	µg/L	100		90.2	70-130			
Naphthalene	10.5	2.0	µg/L	10.0		105	70-130			
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	11.9	1.0	µg/L	10.0		119	70-130			
1,1,1,2-Tetrachloroethane	11.7	0.50	µg/L	10.0		117	70-130			
1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.0		117	70-130			
Tetrachloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130			
Tetrahydrofuran	9.04	10	µg/L	10.0		90.4	70-130			
Toluene	9.35	1.0	µg/L	10.0		93.5	70-130			
1,2,3-Trichlorobenzene	12.4	1.0	µg/L	10.0		124	70-130			
1,2,4-Trichlorobenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,1,1-Trichloroethane	8.14	0.50	µg/L	10.0		81.4	70-130			
1,1,2-Trichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Trichloroethylene	8.96	1.0	µg/L	10.0		89.6	70-130			
Trichlorofluoromethane (Freon 11)	8.04	2.0	µg/L	10.0		80.4	70-130			
1,2,3-Trichloropropane	10.9	0.50	µg/L	10.0		109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.30	0.50	µg/L	10.0		93.0	70-130			
1,2,4-Trimethylbenzene	10.3	0.50	µg/L	10.0		103	70-130			
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108	70-130			
Vinyl Chloride	9.53	1.0	µg/L	10.0		95.3	70-130			
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130			
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		90.1	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*26.2*		µg/L	25.0		105	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B227464 - SW-846 3510C										
Blank (B227464-BLK1)				Prepared: 04/02/19 Analyzed: 04/04/19						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	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	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*69.9*		µg/L	100		69.9	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*65.1*		µg/L	100		65.1	30-130			
Surrogate: 2-Fluorobiphenyl	*49.3*		µg/L	100		49.3	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*48.9*		µg/L	100		48.9	30-130			
Surrogate: p-Terphenyl-d14	*69.8*		µg/L	100		69.8	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*54.3*		µg/L	100		54.3	30-130			
LCS (B227464-BS1)				Prepared: 04/02/19 Analyzed: 04/04/19						
Acenaphthene (SIM)	38.3	6.0	µg/L	50.0		76.6	40-140			
Acenaphthylene (SIM)	38.3	4.0	µg/L	50.0		76.6	40-140			
Anthracene (SIM)	38.0	4.0	µg/L	50.0		75.9	40-140			
Benzo(a)anthracene (SIM)	36.1	1.0	µg/L	50.0		72.3	40-140			
Benzo(a)pyrene (SIM)	41.4	2.0	µg/L	50.0		82.8	40-140			
Benzo(b)fluoranthene (SIM)	41.2	1.0	µg/L	50.0		82.4	40-140			
Benzo(g,h,i)perylene (SIM)	39.8	10	µg/L	50.0		79.6	40-140			
Benzo(k)fluoranthene (SIM)	40.1	4.0	µg/L	50.0		80.2	40-140			
Chrysene (SIM)	37.9	4.0	µg/L	50.0		75.8	40-140			
Dibenz(a,h)anthracene (SIM)	40.7	2.0	µg/L	50.0		81.4	40-140			
Fluoranthene (SIM)	36.1	10	µg/L	50.0		72.1	40-140			
Fluorene (SIM)	39.2	20	µg/L	50.0		78.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	44.2	2.0	µg/L	50.0		88.4	40-140			
2-Methylnaphthalene (SIM)	38.4	20	µg/L	50.0		76.9	40-140			
Naphthalene (SIM)	35.0	20	µg/L	50.0		70.0	40-140			
Phenanthrene (SIM)	36.8	1.0	µg/L	50.0		73.7	40-140			
Pyrene (SIM)	38.5	20	µg/L	50.0		77.0	40-140			
Surrogate: Nitrobenzene-d5	*80.0*		µg/L	100		80.0	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*75.1*		µg/L	100		75.1	30-130			
Surrogate: 2-Fluorobiphenyl	*61.2*		µg/L	100		61.2	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*64.4*		µg/L	100		64.4	30-130			
Surrogate: p-Terphenyl-d14	*70.1*		µg/L	100		70.1	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*71.0*		µg/L	100		71.0	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 B227464 - SW-846 3510C										
LCS Dup (B227464-BSD1)				Prepared: 04/02/19 Analyzed: 04/04/19						
Acenaphthene (SIM)	35.9	6.0	µg/L	50.0		71.9	40-140	6.31	20	
Acenaphthylene (SIM)	36.1	4.0	µg/L	50.0		72.2	40-140	5.91	20	
Anthracene (SIM)	36.3	4.0	µg/L	50.0		72.6	40-140	4.53	20	
Benzo(a)anthracene (SIM)	34.3	1.0	µg/L	50.0		68.5	40-140	5.34	20	
Benzo(a)pyrene (SIM)	39.0	2.0	µg/L	50.0		78.0	40-140	5.92	20	
Benzo(b)fluoranthene (SIM)	38.7	1.0	µg/L	50.0		77.4	40-140	6.16	20	
Benzo(g,h,i)perylene (SIM)	37.2	10	µg/L	50.0		74.5	40-140	6.60	20	
Benzo(k)fluoranthene (SIM)	38.1	4.0	µg/L	50.0		76.2	40-140	5.01	20	
Chrysene (SIM)	35.7	4.0	µg/L	50.0		71.5	40-140	5.81	20	
Dibenz(a,h)anthracene (SIM)	38.1	2.0	µg/L	50.0		76.1	40-140	6.65	20	
Fluoranthene (SIM)	34.4	10	µg/L	50.0		68.9	40-140	4.60	20	
Fluorene (SIM)	36.9	20	µg/L	50.0		73.7	40-140	6.15	20	
Indeno(1,2,3-cd)pyrene (SIM)	41.4	2.0	µg/L	50.0		82.7	40-140	6.59	20	‡
2-Methylnaphthalene (SIM)	36.4	20	µg/L	50.0		72.7	40-140	5.56	20	
Naphthalene (SIM)	33.0	20	µg/L	50.0		66.0	40-140	5.88	20	
Phenanthrene (SIM)	35.2	1.0	µg/L	50.0		70.4	40-140	4.50	20	
Pyrene (SIM)	36.7	20	µg/L	50.0		73.3	40-140	4.95	20	
Surrogate: Nitrobenzene-d5	*75.8*		µg/L	100		75.8	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*70.9*		µg/L	100		70.9	30-130			
Surrogate: 2-Fluorobiphenyl	*57.5*		µg/L	100		57.5	30-130			
Surrogate: p-Terphenyl-d14	*64.7*		µg/L	100		64.7	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 B227330 - SW-846 3510C										
Blank (B227330-BLK1)				Prepared & Analyzed: 04/04/19						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*0.892*		µg/L	2.00		44.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.920*		µg/L	2.00		46.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.850*		µg/L	2.00		42.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.885*		µg/L	2.00		44.2	30-150			
LCS (B227330-BS1)				Prepared & Analyzed: 04/04/19						
Aroclor-1016	0.26	0.20	µg/L	0.500		52.6	40-140			
Aroclor-1016 [2C]	0.29	0.20	µg/L	0.500		57.4	40-140			
Aroclor-1260	0.24	0.20	µg/L	0.500		47.7	40-140			
Aroclor-1260 [2C]	0.26	0.20	µg/L	0.500		51.7	40-140			
Surrogate: Decachlorobiphenyl	*0.971*		µg/L	2.00		48.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		µg/L	2.00		50.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.943*		µg/L	2.00		47.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.982*		µg/L	2.00		49.1	30-150			
LCS Dup (B227330-BSD1)				Prepared & Analyzed: 04/04/19						
Aroclor-1016	0.26	0.20	µg/L	0.500		52.4	40-140	0.415	20	
Aroclor-1016 [2C]	0.28	0.20	µg/L	0.500		56.8	40-140	1.13	20	
Aroclor-1260	0.24	0.20	µg/L	0.500		47.7	40-140	0.0419	20	
Aroclor-1260 [2C]	0.25	0.20	µg/L	0.500		50.7	40-140	1.91	20	
Surrogate: Decachlorobiphenyl	*1.01*		µg/L	2.00		50.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		µg/L	2.00		52.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.06*		µg/L	2.00		53.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.10*		µg/L	2.00		55.0	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 B227292 - SW-846 3510C										
Blank (B227292-BLK1)				Prepared & Analyzed: 04/03/19						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0692*		mg/L	0.100		69.2	50-150			
LCS (B227292-BS1)				Prepared & Analyzed: 04/03/19						
CT ETPH	0.630	0.15	mg/L	1.00		63.0	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0715*		mg/L	0.100		71.5	50-150			
LCS Dup (B227292-BSD1)				Prepared & Analyzed: 04/03/19						
CT ETPH	0.694	0.15	mg/L	1.00		69.4	60-120	9.70	30	
Surrogate: 2-Fluorobiphenyl	*0.0758*		mg/L	0.100		75.8	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 B227365 - SW-846 3005A										
Blank (B227365-BLK1)				Prepared: 04/03/19 Analyzed: 04/04/19						
Lead	ND	1.0	µg/L							
LCS (B227365-BS1)				Prepared: 04/03/19 Analyzed: 04/04/19						
Lead	520	10	µg/L	500		104	80-120			
LCS Dup (B227365-BSD1)				Prepared: 04/03/19 Analyzed: 04/04/19						
Lead	537	10	µg/L	500		107	80-120	3.22	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B227330-BS1 Date(s) Analyzed: 04/04/2019 04/04/2019

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.29	10.9
Aroclor-1260	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.26	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B227330-BSD1 Date(s) Analyzed: 04/04/2019 04/04/2019

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.28	7.4
Aroclor-1260	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.25	4.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-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	
Lead	CT,NH,NY,ME,VA,NC
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
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

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	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	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
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	12/14/2019
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

MEK 1904576

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

http://www.contestlabs.com Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 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	Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	PAHs *1	Total RCRA 8 Metals	Total Lead
1	MW-4R	3/28/19	1010		X	GW	U	[redacted]		X	X		X
2	MW-AIR-1	↓	1045		↓	↓	↓	[redacted]		[redacted]	X		
3	CCA-1		1145						X				
4	TRIP BLANK		-		↓	↓	↓	X					

PCP does not need to be reported per Laura Y -MEK 4/2/19

	3	2	2	2	1	1
	H	I	I	I	N	I
	V	A	A	A	P	P

ANALYSIS REQUESTED

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/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.
PAH For Sample AIR-1 Just run PAHs by Sim
*1 - Run all [redacted] samples using SIM method at low detection limits

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

Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time: 3/29/19 11:35
Relinquished by: (signature)		Date/Time: 3/29/19 16:00
Received by: (signature)	3,0	Date/Time: 3/30/19 1600
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

Table of Contents

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 WS

Received By SL Date 3/24/19 Time 1600

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 # 3 Actual Temp - 3.0
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? 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? Acid N2 Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	6	1 Liter Plastic		16 oz Amb.	
HCL-	5	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	1	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	2	Other Plastic		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:

C:\MSDCHEM\2\DATA\B040319B\B0403106.D

CT ETPH Discrimination Check

Data File Name B0403106.D
Data File Path C:\MSDCHEM\2\DATA\B040319B\
Operator RMW
Date Acquired 4/4/2019 12:24
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.18	10897255	11583927	6
n-Decane	1.93	11196346	11583927	3
n-Dodecane	2.95	11624271	11583927	0
n-Tetradecane	3.67	12052670	11583927	-4
n-Hexadecane	4.29	12227991	11583927	-6
n-Octadecane	4.84	11990370	11583927	-4
n-Eicosane	5.38	12286946	11583927	-6
n-Docosane	6.06	12440026	11583927	-7
n-Tetracosane	6.85	11252727	11583927	3
n-Hexacosane	7.67	12186633	11583927	-5
n-Octacosane	8.42	11871236	11583927	-2
n-Triacontane	9.11	11642539	11583927	-1
n-Dotriacontane	9.75	11319398	11583927	2
n-Tetratriacontane	10.36	10580438	11583927	9
n-Hexatriacontane	10.92	10190058	11583927	12

Samples

*One compound allowed %D</=50

19C1555-01
19C1555-04
19C1555-08
19C1615-02
19C1555-02
19C1576-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 19C1576

Laboratory Sample ID(s):
19C1576-01 thru 19C1576-04

Sample Date(s):
03/28/2019

List RCP Methods Used:
CTDEP ETPH, SW-846 6020B, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

Lisa A. Worthington

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

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

Printed Name: Lisa A. Worthington **Date:** 04/05/19

Name of Laboratory: Con-Test Analytical Laboratory

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