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: 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: 1/15/2019

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: Eversource dba CL&P

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street
Berlin, CT 06037

January 15, 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 M. Hamel, dated April 30, 2018.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Robinson:

Groundwater Report – 4th Quarter 2018
Simsbury Area Work Center (Rem ID #4349)
34 Hopmeadow Street, Simsbury, CT

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

As documented in the sixteenth 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 obtained from eleven (11) monitoring wells including MW-AIR-1, MW-CCA-2, MW-CCA-3, MW-CCA-4, MW-CCA-5, MW-15, MW-16, MW-200, MW-201, MW-202, MW-203, and analyzed for various parameters.

As indicated in the enclosed laboratory analytical data reports, sample results were below the Remediation Standard Regulation GA Groundwater Protection Criteria, Surface Water Protection Criteria, and Groundwater Volatilization Criteria.

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

Very truly yours,

Eversource Energy

Drew Blicharz

Drew Blicharz
Environmental Specialist

Enclosure

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

December 28, 2018

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

Project Location: Simsbury AWC
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18L0967

Enclosed are results of analyses for samples received by the laboratory on December 19, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 12/28/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0967

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

PROJECT LOCATION: Simsbury AWC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-16	18L0967-01	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-15	18L0967-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-2	18L0967-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-201	18L0967-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-202	18L0967-05	Ground Water		CTDEP ETPH	
MW-203	18L0967-06	Ground Water		CTDEP ETPH	
DUP-1	18L0967-07	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
Trip Blank	18L0967-08	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

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

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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:

1,2-Dibromo-3-chloropropane (DB
18L0967-01[MW-16], 18L0967-02[MW-15], 18L0967-03[CCA-2], 18L0967-04[MW-201], 18L0967-07[DUP-1], 18L0967-08[Trip Blank], B219770-BLK1, B219770-BS1, S030683-CCV1

Naphthalene
18L0967-01[MW-16], 18L0967-02[MW-15], 18L0967-03[CCA-2], 18L0967-04[MW-201], 18L0967-07[DUP-1], 18L0967-08[Trip Blank], B219770-BLK1, B219770-BS1, S030683-CCV1

V-05

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

Analyte & Samples(s) Qualified:

Naphthalene
18L0967-01[MW-16], 18L0967-02[MW-15], 18L0967-03[CCA-2], 18L0967-04[MW-201], 18L0967-07[DUP-1], 18L0967-08[Trip Blank], B219770-BLK1, B219770-BS1, S030683-CCV1

V-20

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

Analyte & Samples(s) Qualified:

Acrylonitrile
B219770-BS1, S030683-CCV1

Chloromethane
B219770-BS1, S030683-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:

Acetone
B219770-BS1, S030683-CCV1

Carbon Disulfide
B219770-BS1, S030683-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
18L0967-01[MW-16], 18L0967-07[DUP-1]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B219876-BS1

V-06

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

Analyte & Samples(s) Qualified:

4-Nitrophenol
B219876-BLK1, B219876-BS1, B219876-BSD1

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1, B219876-BS1, B219876-BSD1

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V-20

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

Analyte & Samples(s) Qualified:

4-Nitrophenol

18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1

V-34

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

Analyte & Samples(s) Qualified:

4-Chloroaniline

18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1, B219876-BS1, B219876-BSD1

Aniline

18L0967-01[MW-16], 18L0967-07[DUP-1], B219876-BLK1, B219876-BS1, B219876-BSD1

SW-846 8260C

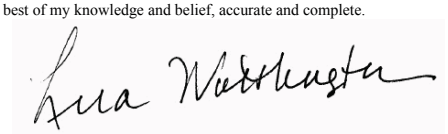
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

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

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

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



Lisa A. Worthington
Project Manager

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

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	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

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	12/21/18	12/22/18 1:33	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 1:33	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.7	70-130		12/22/18 1:33
Toluene-d8	101	70-130		12/22/18 1:33
4-Bromofluorobenzene	101	70-130		12/22/18 1:33

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Aniline	ND	5.0	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
4-Nitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 14:49	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:05	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.2	15-110		12/26/18 15:05
2-Fluorophenol (SIM)	56.5	15-110		12/26/18 14:49
Phenol-d6	26.0	15-110		12/26/18 15:05
Phenol-d6 (SIM)	34.0	15-110		12/26/18 14:49
Nitrobenzene-d5	106	30-130		12/26/18 14:49
Nitrobenzene-d5	96.6	30-130		12/26/18 15:05
2-Fluorobiphenyl	89.2	30-130		12/26/18 15:05
2-Fluorobiphenyl	64.8	30-130		12/26/18 14:49
2,4,6-Tribromophenol	106	15-110		12/26/18 15:05
2,4,6-Tribromophenol (SIM)	103	15-110		12/26/18 14:49
p-Terphenyl-d14	92.4	30-130		12/26/18 14:49
p-Terphenyl-d14	101	30-130		12/26/18 15:05

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 16:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	78.1	30-150		12/27/18 16:55	
Decachlorobiphenyl [2]	89.1	30-150		12/27/18 16:55	
Tetrachloro-m-xylene [1]	83.5	30-150		12/27/18 16:55	
Tetrachloro-m-xylene [2]	87.4	30-150		12/27/18 16:55	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.12	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:58	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	76.3	50-150		12/26/18 23:58

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Barium	ND	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/26/18 6:36	MJH
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/20/18	12/21/18 13:43	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:46	MJH

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-16 | Sampled: 12/19/2018 10:30

Sample ID: 18L0967-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/19/18	12/19/18 18:52	AIA

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 2:04	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		12/22/18 2:04
Toluene-d8	102	70-130		12/22/18 2:04
4-Bromofluorobenzene	97.0	70-130		12/22/18 2:04

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.0	30-150		12/27/18 17:07
Decachlorobiphenyl [2]	71.6	30-150		12/27/18 17:07
Tetrachloro-m-xylene [1]	82.2	30-150		12/27/18 17:07
Tetrachloro-m-xylene [2]	85.8	30-150		12/27/18 17:07

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-15 | Sampled: 12/19/2018 11:45

Sample ID: 18L0967-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:05	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	63.0	50-150		12/26/18 23:05

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

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	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

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	12/21/18	12/22/18 2:35	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 2:35	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 2:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		12/22/18 2:35
Toluene-d8	101	70-130		12/22/18 2:35
4-Bromofluorobenzene	102	70-130		12/22/18 2:35

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.9	30-150		12/27/18 17:20
Decachlorobiphenyl [2]	77.4	30-150		12/27/18 17:20
Tetrachloro-m-xylene [1]	75.7	30-150		12/27/18 17:20
Tetrachloro-m-xylene [2]	79.3	30-150		12/27/18 17:20

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: CCA-2 | Sampled: 12/19/2018 12:30

Sample ID: 18L0967-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:23	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	72.2	50-150		12/26/18 23:23

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 3:05	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		12/22/18 3:05
Toluene-d8	99.0	70-130		12/22/18 3:05
4-Bromofluorobenzene	102	70-130		12/22/18 3:05

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.0	30-150		12/27/18 17:32
Decachlorobiphenyl [2]	88.9	30-150		12/27/18 17:32
Tetrachloro-m-xylene [1]	80.3	30-150		12/27/18 17:32
Tetrachloro-m-xylene [2]	83.8	30-150		12/27/18 17:32

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-201 | Sampled: 12/19/2018 13:10

Sample ID: 18L0967-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.075	mg/L	1		CTDEP ETPH	12/24/18	12/26/18 23:40	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	79.3	50-150		12/26/18 23:40

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-202 | Sampled: 12/19/2018 13:45

Sample ID: 18L0967-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.073	mg/L	1		CTDEP ETPH	12/24/18	12/27/18 0:15	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	79.6	50-150		12/27/18 0:15

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: MW-203 | Sampled: 12/19/2018 14:10

Sample ID: 18L0967-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.23	0.074	mg/L	1		CTDEP ETPH	12/24/18	12/27/18 0:51	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	86.2	50-150				12/27/18 0:51	

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

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	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

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	12/21/18	12/22/18 3:36	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 3:36	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 3:36	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		12/22/18 3:36
Toluene-d8	101	70-130		12/22/18 3:36
4-Bromofluorobenzene	102	70-130		12/22/18 3:36

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

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	0.31	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Acenaphthylene (SIM)	ND	0.31	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
4-Nitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:17	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	12/22/18	12/26/18 15:33	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.7	15-110		12/26/18 15:33
2-Fluorophenol (SIM)	49.7	15-110		12/26/18 15:17
Phenol-d6	26.8	15-110		12/26/18 15:33
Phenol-d6 (SIM)	31.6	15-110		12/26/18 15:17
Nitrobenzene-d5	94.5	30-130		12/26/18 15:33
Nitrobenzene-d5	97.3	30-130		12/26/18 15:17
2-Fluorobiphenyl	88.4	30-130		12/26/18 15:33
2-Fluorobiphenyl	58.6	30-130		12/26/18 15:17
2,4,6-Tribromophenol	105	15-110		12/26/18 15:33
2,4,6-Tribromophenol (SIM)	94.9	15-110		12/26/18 15:17
p-Terphenyl-d14	101	30-130		12/26/18 15:33
p-Terphenyl-d14	84.1	30-130		12/26/18 15:17

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 17:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.9	30-150		12/27/18 17:45
Decachlorobiphenyl [2]	70.4	30-150		12/27/18 17:45
Tetrachloro-m-xylene [1]	75.6	30-150		12/27/18 17:45
Tetrachloro-m-xylene [2]	79.2	30-150		12/27/18 17:45

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.074	mg/L	1		CTDEP ETPH	12/24/18	12/27/18 1:08	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	89.0	50-150				12/27/18 1:08	

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Barium	ND	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/26/18 6:36	MJH
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/20/18	12/21/18 13:45	EJB
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 14:50	MJH

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Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: DUP-1 | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-07

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/19/18	12/19/18 18:52	AIA

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: Trip Blank | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-08

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	20	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03	SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD

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

Project Location: Simsbury AWC | Sample Description: | Work Order: 18L0967

Date Received: 12/19/2018

Field Sample #: Trip Blank | Sampled: 12/19/2018 00:00

Sample ID: 18L0967-08

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	12/21/18	12/22/18 1:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Naphthalene	ND	5.0	µg/L	1	L-03, V-05	SW-846 8260C	12/21/18	12/22/18 1:02	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/21/18	12/22/18 1:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.0	70-130		12/22/18 1:02
Toluene-d8	98.3	70-130		12/22/18 1:02
4-Bromofluorobenzene	99.7	70-130		12/22/18 1:02

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219927	1030	1.00	12/24/18
18L0967-02 [MW-15]	B219927	1030	1.00	12/24/18
18L0967-03 [CCA-2]	B219927	1030	1.00	12/24/18
18L0967-04 [MW-201]	B219927	1000	1.00	12/24/18
18L0967-05 [MW-202]	B219927	1030	1.00	12/24/18
18L0967-06 [MW-203]	B219927	1020	1.00	12/24/18
18L0967-07 [DUP-1]	B219927	1010	1.00	12/24/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219822	50.0	50.0	12/21/18
18L0967-07 [DUP-1]	B219822	50.0	50.0	12/21/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219637	50.0	50.0	12/19/18
18L0967-07 [DUP-1]	B219637	50.0	50.0	12/19/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219715	6.00	6.00	12/20/18
18L0967-07 [DUP-1]	B219715	6.00	6.00	12/20/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219881	1000	10.0	12/22/18
18L0967-02 [MW-15]	B219881	1000	10.0	12/22/18
18L0967-03 [CCA-2]	B219881	1000	10.0	12/22/18
18L0967-04 [MW-201]	B219881	1000	10.0	12/22/18
18L0967-07 [DUP-1]	B219881	1000	10.0	12/22/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219770	5	5.00	12/21/18
18L0967-02 [MW-15]	B219770	5	5.00	12/21/18
18L0967-03 [CCA-2]	B219770	5	5.00	12/21/18
18L0967-04 [MW-201]	B219770	5	5.00	12/21/18
18L0967-07 [DUP-1]	B219770	5	5.00	12/21/18
18L0967-08 [Trip Blank]	B219770	5	5.00	12/21/18

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219876	1000	1.00	12/22/18
18L0967-07 [DUP-1]	B219876	980	1.00	12/22/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0967-01 [MW-16]	B219973	1000	1.00	12/22/18
18L0967-07 [DUP-1]	B219973	980	1.00	12/22/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Date
18L0967-01 [MW-16]	B219822	50.0	12/21/18
18L0967-07 [DUP-1]	B219822	50.0	12/21/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219770 - SW-846 5030B										
Blank (B219770-BLK1)				Prepared & Analyzed: 12/21/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							L-03
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							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B219770 - SW-846 5030B											
Blank (B219770-BLK1)				Prepared & Analyzed: 12/21/18							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	0.50	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.2		70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.3		70-130			
LCS (B219770-BS1)				Prepared & Analyzed: 12/21/18							
Acetone	127	10	µg/L	100		127		70-130			V-36
Acrylonitrile	12.5	2.0	µg/L	10.0		125		70-130			V-20
Benzene	9.89	0.50	µg/L	10.0		98.9		70-130			
Bromobenzene	9.54	0.50	µg/L	10.0		95.4		70-130			
Bromodichloromethane	9.20	0.50	µg/L	10.0		92.0		70-130			
Bromoform	8.70	0.50	µg/L	10.0		87.0		70-130			
Bromomethane	10.9	1.0	µg/L	10.0		109		70-130			
2-Butanone (MEK)	120	5.0	µg/L	100		120		70-130			
n-Butylbenzene	8.57	1.0	µg/L	10.0		85.7		70-130			
sec-Butylbenzene	8.82	1.0	µg/L	10.0		88.2		70-130			
tert-Butylbenzene	8.90	1.0	µg/L	10.0		89.0		70-130			
Carbon Disulfide	97.2	5.0	µg/L	100		97.2		70-130			V-36
Carbon Tetrachloride	9.57	0.50	µg/L	10.0		95.7		70-130			
Chlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
Chlorodibromomethane	9.34	0.50	µg/L	10.0		93.4		70-130			
Chloroethane	10.3	0.50	µg/L	10.0		103		70-130			
Chloroform	9.85	0.50	µg/L	10.0		98.5		70-130			
Chloromethane	12.8	0.60	µg/L	10.0		128		70-130			V-20
2-Chlorotoluene	9.57	0.50	µg/L	10.0		95.7		70-130			
4-Chlorotoluene	9.50	0.50	µg/L	10.0		95.0		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	6.79	0.50	µg/L	10.0		**67.9**	*	70-130			L-03
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101		70-130			
Dibromomethane	10.3	0.50	µg/L	10.0		103		70-130			
1,2-Dichlorobenzene	9.42	0.50	µg/L	10.0		94.2		70-130			
1,3-Dichlorobenzene	9.49	0.50	µg/L	10.0		94.9		70-130			
1,4-Dichlorobenzene	9.39	0.50	µg/L	10.0		93.9		70-130			
trans-1,4-Dichloro-2-butene	9.20	2.0	µg/L	10.0		92.0		70-130			
Dichlorodifluoromethane (Freon 12)	9.03	0.50	µg/L	10.0		90.3		70-130			
1,1-Dichloroethane	11.0	0.50	µg/L	10.0		110		70-130			
1,2-Dichloroethane	9.87	0.50	µg/L	10.0		98.7		70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108		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 B219770 - SW-846 5030B											
LCS (B219770-BS1)				Prepared & Analyzed: 12/21/18							
cis-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130			
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130			
1,2-Dichloropropane	11.0	0.50	µg/L	10.0		110		70-130			
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130			
2,2-Dichloropropane	7.77	0.50	µg/L	10.0		77.7		70-130			
1,1-Dichloropropene	9.55	0.50	µg/L	10.0		95.5		70-130			
cis-1,3-Dichloropropene	9.23	0.50	µg/L	10.0		92.3		70-130			
trans-1,3-Dichloropropene	8.45	0.50	µg/L	10.0		84.5		70-130			
Ethylbenzene	9.52	0.50	µg/L	10.0		95.2		70-130			
Hexachlorobutadiene	11.0	0.60	µg/L	10.0		110		70-130			
2-Hexanone (MBK)	119	5.0	µg/L	100		119		70-130			
Isopropylbenzene (Cumene)	9.72	0.50	µg/L	10.0		97.2		70-130			
p-Isopropyltoluene (p-Cymene)	9.04	0.50	µg/L	10.0		90.4		70-130			
Methyl tert-Butyl Ether (MTBE)	9.03	0.50	µg/L	10.0		90.3		70-130			
Methylene Chloride	12.9	5.0	µg/L	10.0		129		70-130			
4-Methyl-2-pentanone (MIBK)	122	5.0	µg/L	100		122		70-130			
Naphthalene	6.86	2.0	µg/L	10.0		**68.6**	*	70-130			L-03, V-05
n-Propylbenzene	9.39	1.0	µg/L	10.0		93.9		70-130			
Styrene	9.97	1.0	µg/L	10.0		99.7		70-130			
1,1,1,2-Tetrachloroethane	9.87	0.50	µg/L	10.0		98.7		70-130			
1,1,2,2-Tetrachloroethane	9.42	0.50	µg/L	10.0		94.2		70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Tetrahydrofuran	12.3	10	µg/L	10.0		123		70-130			
Toluene	10.1	1.0	µg/L	10.0		101		70-130			
1,2,3-Trichlorobenzene	7.85	0.50	µg/L	10.0		78.5		70-130			
1,2,4-Trichlorobenzene	8.71	0.50	µg/L	10.0		87.1		70-130			
1,1,1-Trichloroethane	8.98	0.50	µg/L	10.0		89.8		70-130			
1,1,2-Trichloroethane	10.0	0.50	µg/L	10.0		100		70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102		70-130			
1,2,3-Trichloropropane	9.70	0.50	µg/L	10.0		97.0		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	0.50	µg/L	10.0		106		70-130			
1,2,4-Trimethylbenzene	8.69	0.50	µg/L	10.0		86.9		70-130			
1,3,5-Trimethylbenzene	9.62	0.50	µg/L	10.0		96.2		70-130			
Vinyl Chloride	10.9	1.0	µg/L	10.0		109		70-130			
m+p Xylene	18.9	2.0	µg/L	20.0		94.6		70-130			
o-Xylene	9.47	1.0	µg/L	10.0		94.7		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		95.0		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		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 B219876 - SW-846 3510C										
Blank (B219876-BLK1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Aniline	ND	5.0	µg/L							V-34
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							V-06, V-20
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	10	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*86.2*		µg/L	200		43.1	15-110			
Surrogate: Phenol-d6	*64.2*		µg/L	200		32.1	15-110			
Surrogate: Nitrobenzene-d5	*86.4*		µg/L	100		86.4	30-130			
Surrogate: 2-Fluorobiphenyl	*85.0*		µg/L	100		85.0	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 B219876 - SW-846 3510C											
Blank (B219876-BLK1)				Prepared: 12/22/18 Analyzed: 12/26/18							
Surrogate: 2,4,6-Tribromophenol	*208*		µg/L	200		104	15-110				
Surrogate: p-Terphenyl-d14	*97.7*		µg/L	100		97.7	30-130				
LCS (B219876-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18							
Aniline	35.1	5.0	µg/L	50.0		70.1	40-140			V-34	†
Bis(2-chloroethoxy)methane	48.9	10	µg/L	50.0		97.8	40-140				
Bis(2-chloroethyl)ether	47.3	10	µg/L	50.0		94.7	40-140				
Bis(2-chloroisopropyl)ether	48.5	10	µg/L	50.0		96.9	40-140				
Bis(2-Ethylhexyl)phthalate	44.5	10	µg/L	50.0		89.1	40-140				
4-Bromophenylphenylether	43.0	10	µg/L	50.0		86.1	40-140				
Butylbenzylphthalate	45.4	10	µg/L	50.0		90.8	40-140				
Carbazole	44.5	10	µg/L	50.0		89.0	40-140				
4-Chloroaniline	39.7	10	µg/L	50.0		79.4	40-140			V-34	†
4-Chloro-3-methylphenol	44.0	10	µg/L	50.0		88.0	30-130				
2-Chloronaphthalene	38.8	10	µg/L	50.0		77.5	40-140				
2-Chlorophenol	41.1	10	µg/L	50.0		82.1	30-130				
4-Chlorophenylphenylether	43.1	10	µg/L	50.0		86.3	40-140				
Dibenzofuran	43.4	5.0	µg/L	50.0		86.7	40-140				
Di-n-butylphthalate	46.2	10	µg/L	50.0		92.4	40-140				
3,3-Dichlorobenzidine	53.7	10	µg/L	50.0		107	40-140				†
2,4-Dichlorophenol	43.3	10	µg/L	50.0		86.5	30-130				
Diethylphthalate	45.4	10	µg/L	50.0		90.7	40-140				
2,4-Dimethylphenol	40.2	10	µg/L	50.0		80.4	30-130				
Dimethylphthalate	42.9	10	µg/L	50.0		85.8	40-140				
4,6-Dinitro-2-methylphenol	43.6	10	µg/L	50.0		87.2	30-130				
2,4-Dinitrophenol	40.8	10	µg/L	50.0		81.6	30-130				
2,4-Dinitrotoluene	47.5	10	µg/L	50.0		95.0	40-140				
2,6-Dinitrotoluene	49.4	10	µg/L	50.0		98.8	40-140				
Di-n-octylphthalate	45.7	10	µg/L	50.0		91.5	40-140				
Hexachlorobenzene	45.1	10	µg/L	50.0		90.3	40-140				
Hexachlorobutadiene	40.8	10	µg/L	50.0		81.6	40-140				
Hexachlorocyclopentadiene	28.4	10	µg/L	50.0		56.8	30-140				
Hexachloroethane	41.2	10	µg/L	50.0		82.5	40-140				
Isophorone	47.2	10	µg/L	50.0		94.5	40-140				
2-Methylphenol	35.0	10	µg/L	50.0		70.0	30-130				
3/4-Methylphenol	35.3	10	µg/L	50.0		70.6	30-130				
2-Nitroaniline	50.4	10	µg/L	50.0		101	40-140				
3-Nitroaniline	45.2	10	µg/L	50.0		90.4	40-140				†
4-Nitroaniline	48.0	10	µg/L	50.0		96.1	40-140				
Nitrobenzene	45.7	10	µg/L	50.0		91.4	40-140				
2-Nitrophenol	45.2	10	µg/L	50.0		90.3	30-130				
4-Nitrophenol	26.8	10	µg/L	50.0		53.7	10-130			V-06	
N-Nitrosodiphenylamine/Diphenylamine	44.4	10	µg/L	50.0		88.7	40-140				
N-Nitrosodi-n-propylamine	47.6	10	µg/L	50.0		95.2	40-140				
Pentachloronitrobenzene	44.4	10	µg/L	50.0		88.8	40-140			V-16	
Pentachlorophenol	38.5	10	µg/L	50.0		77.0	30-130				
Phenol	20.0	10	µg/L	50.0		40.1	20-130				
Pyridine	17.5	5.0	µg/L	50.0		34.9	10-140				†
1,2,4,5-Tetrachlorobenzene	41.0	10	µg/L	50.0		81.9	40-140				
1,2,4-Trichlorobenzene	40.0	5.0	µg/L	50.0		80.0	40-140				
2,4,5-Trichlorophenol	43.0	10	µg/L	50.0		86.0	30-130				
2,4,6-Trichlorophenol	44.5	10	µg/L	50.0		89.1	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B219876 - SW-846 3510C												
LCS (B219876-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18								
Surrogate: 2-Fluorophenol	*113*		µg/L	200		56.3		15-110				
Surrogate: Phenol-d6	*85.5*		µg/L	200		42.7		15-110				
Surrogate: Nitrobenzene-d5	*99.8*		µg/L	100		99.8		30-130				
Surrogate: 2-Fluorobiphenyl	*95.5*		µg/L	100		95.5		30-130				
Surrogate: 2,4,6-Tribromophenol	*235*		µg/L	200		**118**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*101*		µg/L	100		101		30-130				
LCS Dup (B219876-BSD1)				Prepared: 12/22/18 Analyzed: 12/26/18								
Aniline	27.2	5.0	µg/L	50.0		54.3		40-140	25.4	50	V-34	† ‡
Bis(2-chloroethoxy)methane	43.9	10	µg/L	50.0		87.7		40-140	10.8	20		
Bis(2-chloroethyl)ether	40.0	10	µg/L	50.0		80.0		40-140	16.8	20		
Bis(2-chloroisopropyl)ether	41.4	10	µg/L	50.0		82.8		40-140	15.7	20		
Bis(2-Ethylhexyl)phthalate	40.1	10	µg/L	50.0		80.1		40-140	10.6	20		
4-Bromophenylphenylether	38.7	10	µg/L	50.0		77.3		40-140	10.7	20		
Butylbenzylphthalate	41.3	10	µg/L	50.0		82.7		40-140	9.43	20		
Carbazole	40.1	10	µg/L	50.0		80.3		40-140	10.4	20		
4-Chloroaniline	32.7	10	µg/L	50.0		65.4		40-140	19.4	20	V-34	†
4-Chloro-3-methylphenol	39.9	10	µg/L	50.0		79.8		30-130	9.73	20		
2-Chloronaphthalene	35.5	10	µg/L	50.0		71.0		40-140	8.84	20		
2-Chlorophenol	34.5	10	µg/L	50.0		69.0		30-130	17.4	20		
4-Chlorophenylphenylether	39.2	10	µg/L	50.0		78.4		40-140	9.60	20		
Dibenzofuran	39.2	5.0	µg/L	50.0		78.4		40-140	10.0	20		
Di-n-butylphthalate	41.2	10	µg/L	50.0		82.4		40-140	11.4	20		
3,3-Dichlorobenzidine	47.4	10	µg/L	50.0		94.8		40-140	12.5	20		† ‡
2,4-Dichlorophenol	39.0	10	µg/L	50.0		78.0		30-130	10.4	20		
Diethylphthalate	40.9	10	µg/L	50.0		81.8		40-140	10.3	20		
2,4-Dimethylphenol	35.2	10	µg/L	50.0		70.4		30-130	13.3	20		
Dimethylphthalate	39.1	10	µg/L	50.0		78.1		40-140	9.32	50		
4,6-Dinitro-2-methylphenol	40.9	10	µg/L	50.0		81.9		30-130	6.32	50		
2,4-Dinitrophenol	37.8	10	µg/L	50.0		75.6		30-130	7.56	50		
2,4-Dinitrotoluene	43.2	10	µg/L	50.0		86.3		40-140	9.62	20		
2,6-Dinitrotoluene	44.3	10	µg/L	50.0		88.5		40-140	10.9	20		
Di-n-octylphthalate	40.2	10	µg/L	50.0		80.4		40-140	12.9	20		
Hexachlorobenzene	41.1	10	µg/L	50.0		82.2		40-140	9.30	20		
Hexachlorobutadiene	35.3	10	µg/L	50.0		70.7		40-140	14.4	20		
Hexachlorocyclopentadiene	26.0	10	µg/L	50.0		52.0		30-140	8.75	50		
Hexachloroethane	34.2	10	µg/L	50.0		68.3		40-140	18.8	50		
Isophorone	42.7	10	µg/L	50.0		85.4		40-140	10.1	20		
2-Methylphenol	30.6	10	µg/L	50.0		61.3		30-130	13.3	20		
3/4-Methylphenol	30.3	10	µg/L	50.0		60.5		30-130	15.3	20		
2-Nitroaniline	46.0	10	µg/L	50.0		92.0		40-140	9.09	20		
3-Nitroaniline	38.7	10	µg/L	50.0		77.4		40-140	15.4	20		†
4-Nitroaniline	43.4	10	µg/L	50.0		86.8		40-140	10.1	20		
Nitrobenzene	40.4	10	µg/L	50.0		80.9		40-140	12.2	20		
2-Nitrophenol	40.1	10	µg/L	50.0		80.3		30-130	11.8	20		
4-Nitrophenol	23.9	10	µg/L	50.0		47.8		10-130	11.6	50	V-06	‡
N-Nitrosodiphenylamine/Diphenylamine	39.8	10	µg/L	50.0		79.6		40-140	10.8	20		
N-Nitrosodi-n-propylamine	41.5	10	µg/L	50.0		82.9		40-140	13.7	20		
Pentachloronitrobenzene	39.0	10	µg/L	50.0		78.1		40-140	12.8	20	V-16	
Pentachlorophenol	33.2	10	µg/L	50.0		66.3		30-130	14.9	50		
Phenol	17.3	10	µg/L	50.0		34.6		20-130	14.8	20		
Pyridine	11.2	5.0	µg/L	50.0		22.5		10-140	43.3	50		†

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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 B219876 - SW-846 3510C										
LCS Dup (B219876-BSD1)				Prepared: 12/22/18 Analyzed: 12/26/18						
1,2,4,5-Tetrachlorobenzene	37.1	10	µg/L	50.0		74.3	40-140	9.78	20	
1,2,4-Trichlorobenzene	35.6	5.0	µg/L	50.0		71.1	40-140	11.8	20	
2,4,5-Trichlorophenol	39.0	10	µg/L	50.0		78.0	30-130	9.70	20	
2,4,6-Trichlorophenol	39.9	10	µg/L	50.0		79.9	30-130	10.9	50	
Surrogate: 2-Fluorophenol	*93.0*		µg/L	200		46.5	15-110			
Surrogate: Phenol-d6	*72.9*		µg/L	200		36.5	15-110			
Surrogate: Nitrobenzene-d5	*87.5*		µg/L	100		87.5	30-130			
Surrogate: 2-Fluorobiphenyl	*85.2*		µg/L	100		85.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*206*		µg/L	200		103	15-110			
Surrogate: p-Terphenyl-d14	*91.3*		µg/L	100		91.3	30-130			
Batch B219973 - SW-846 3510C										
Blank (B219973-BLK1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Pentachlorophenol (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*109*		µg/L	200		54.4	15-110			
Surrogate: Phenol-d6	*77.0*		µg/L	200		38.5	15-110			
Surrogate: Nitrobenzene-d5	*93.6*		µg/L	100		93.6	30-130			
Surrogate: 2-Fluorobiphenyl	*59.4*		µg/L	100		59.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*191*		µg/L	200		95.5	15-110			
Surrogate: p-Terphenyl-d14	*85.0*		µg/L	100		85.0	30-130			
LCS (B219973-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Acenaphthene (SIM)	42.0	7.5	µg/L	50.0		84.1	40-140			
Acenaphthylene (SIM)	44.6	7.5	µg/L	50.0		89.2	40-140			
Anthracene (SIM)	46.4	5.0	µg/L	50.0		92.8	40-140			
Benzo(a)anthracene (SIM)	45.0	1.2	µg/L	50.0		89.9	40-140			
Benzo(a)pyrene (SIM)	48.9	2.5	µg/L	50.0		97.8	40-140			
Benzo(b)fluoranthene (SIM)	49.6	1.2	µg/L	50.0		99.1	40-140			
Benzo(g,h,i)perylene (SIM)	46.3	12	µg/L	50.0		92.6	40-140			
Benzo(k)fluoranthene (SIM)	48.8	5.0	µg/L	50.0		97.6	40-140			
Chrysene (SIM)	44.1	5.0	µg/L	50.0		88.2	40-140			
Dibenz(a,h)anthracene (SIM)	49.4	5.0	µg/L	50.0		98.7	40-140			
Fluoranthene (SIM)	44.6	12	µg/L	50.0		89.1	40-140			
Fluorene (SIM)	43.0	25	µg/L	50.0		86.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	50.2	5.0	µg/L	50.0		100	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219973 - SW-846 3510C										
LCS (B219973-BS1)				Prepared: 12/22/18 Analyzed: 12/26/18						
2-Methylnaphthalene (SIM)	42.0	25	µg/L	50.0		84.0	40-140			
Naphthalene (SIM)	38.4	25	µg/L	50.0		76.8	40-140			
Pentachlorophenol (SIM)	25.1	12	µg/L	50.0		50.2	40-140			
Phenanthrene (SIM)	44.2	1.2	µg/L	50.0		88.3	40-140			
Pyrene (SIM)	46.3	25	µg/L	50.0		92.6	40-140			
Surrogate: 2-Fluorophenol	*84.9*		µg/L	200		42.4	15-110			
Surrogate: Phenol-d6	*74.4*		µg/L	200		37.2	15-110			
Surrogate: Nitrobenzene-d5	*88.4*		µg/L	100		88.4	30-130			
Surrogate: 2-Fluorobiphenyl	*66.3*		µg/L	100		66.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*156*		µg/L	200		78.0	15-110			
Surrogate: p-Terphenyl-d14	*84.7*		µg/L	100		84.7	30-130			
LCS Dup (B219973-BSD1)				Prepared: 12/22/18 Analyzed: 12/26/18						
Acenaphthene (SIM)	45.0	7.5	µg/L	50.0		90.0	40-140	6.83	20	
Acenaphthylene (SIM)	48.0	7.5	µg/L	50.0		96.1	40-140	7.45	20	
Anthracene (SIM)	48.4	5.0	µg/L	50.0		96.8	40-140	4.11	20	
Benzo(a)anthracene (SIM)	46.5	1.2	µg/L	50.0		93.0	40-140	3.39	20	
Benzo(a)pyrene (SIM)	50.8	2.5	µg/L	50.0		102	40-140	3.86	20	
Benzo(b)fluoranthene (SIM)	51.7	1.2	µg/L	50.0		103	40-140	4.25	20	
Benzo(g,h,i)perylene (SIM)	48.4	12	µg/L	50.0		96.8	40-140	4.49	20	
Benzo(k)fluoranthene (SIM)	50.9	5.0	µg/L	50.0		102	40-140	4.21	20	
Chrysene (SIM)	45.8	5.0	µg/L	50.0		91.6	40-140	3.78	20	
Dibenz(a,h)anthracene (SIM)	51.8	5.0	µg/L	50.0		104	40-140	4.94	20	
Fluoranthene (SIM)	45.6	12	µg/L	50.0		91.2	40-140	2.27	20	
Fluorene (SIM)	46.0	25	µg/L	50.0		92.1	40-140	6.85	20	
Indeno(1,2,3-cd)pyrene (SIM)	52.4	5.0	µg/L	50.0		105	40-140	4.19	20	‡
2-Methylnaphthalene (SIM)	45.3	25	µg/L	50.0		90.6	40-140	7.50	20	
Naphthalene (SIM)	41.0	25	µg/L	50.0		81.9	40-140	6.36	20	
Pentachlorophenol (SIM)	22.9	12	µg/L	50.0		45.8	40-140	9.28	20	
Phenanthrene (SIM)	46.4	1.2	µg/L	50.0		92.7	40-140	4.86	20	
Pyrene (SIM)	47.6	25	µg/L	50.0		95.2	40-140	2.77	20	
Surrogate: 2-Fluorophenol	*72.8*		µg/L	200		36.4	15-110			
Surrogate: Phenol-d6	*79.0*		µg/L	200		39.5	15-110			
Surrogate: Nitrobenzene-d5	*90.9*		µg/L	100		90.9	30-130			
Surrogate: 2-Fluorobiphenyl	*69.3*		µg/L	100		69.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*156*		µg/L	200		78.0	15-110			
Surrogate: p-Terphenyl-d14	*80.2*		µg/L	100		80.2	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 B219881 - SW-846 3510C										
Blank (B219881-BLK1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	*1.57*		µg/L	2.00		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.46*		µg/L	2.00		72.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.61*		µg/L	2.00		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.51*		µg/L	2.00		75.4	30-150			
LCS (B219881-BS1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		83.7	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		83.3	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500		77.9	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.5	40-140			
Surrogate: Decachlorobiphenyl	*1.51*		µg/L	2.00		75.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.72*		µg/L	2.00		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.56*		µg/L	2.00		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.5	30-150			
LCS Dup (B219881-BSD1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		84.7	40-140	1.14	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140	4.00	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		76.9	40-140	1.21	20	
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.9	40-140	0.655	20	
Surrogate: Decachlorobiphenyl	*0.836*		µg/L	2.00		41.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.947*		µg/L	2.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.58*		µg/L	2.00		79.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/L	2.00		82.0	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 B219927 - SW-846 3510C										
Blank (B219927-BLK1)				Prepared: 12/24/18 Analyzed: 12/26/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0774*		mg/L	0.100		77.4	50-150			
LCS (B219927-BS1)				Prepared: 12/24/18 Analyzed: 12/26/18						
CT ETPH	0.813	0.075	mg/L	1.00		81.3	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0752*		mg/L	0.100		75.2	50-150			
LCS Dup (B219927-BSD1)				Prepared: 12/24/18 Analyzed: 12/26/18						
CT ETPH	0.843	0.075	mg/L	1.00		84.3	60-120	3.61	30	
Surrogate: 2-Fluorobiphenyl	*0.0777*		mg/L	0.100		77.7	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 B219715 - SW-846 7470A Prep										
Blank (B219715-BLK1)				Prepared: 12/20/18 Analyzed: 12/21/18						
Mercury	ND	0.00010	mg/L							
LCS (B219715-BS1)				Prepared: 12/20/18 Analyzed: 12/21/18						
Mercury	0.00190	0.00010	mg/L	0.00200		95.2	80-120			
LCS Dup (B219715-BSD1)				Prepared: 12/20/18 Analyzed: 12/21/18						
Mercury	0.00188	0.00010	mg/L	0.00200		94.2	80-120	1.09	20	
Batch B219822 - SW-846 3005A										
Blank (B219822-BLK1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B219822-BS1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	513	4.0	µg/L	500		103	80-120			
Barium	517	100	µg/L	500		103	80-120			
Cadmium	514	5.0	µg/L	500		103	80-120			
Chromium	518	10	µg/L	500		104	80-120			
Copper	1020	50	µg/L	1000		102	80-120			
Lead	509	10	µg/L	500		102	80-120			
Selenium	508	50	µg/L	500		102	80-120			
Silver	449	5.0	µg/L	500		89.8	80-120			
LCS Dup (B219822-BSD1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	506	4.0	µg/L	500		101	80-120	1.39	20	
Barium	516	100	µg/L	500		103	80-120	0.0774	20	
Cadmium	514	5.0	µg/L	500		103	80-120	0.0612	20	
Chromium	511	10	µg/L	500		102	80-120	1.43	20	
Copper	1000	50	µg/L	1000		100	80-120	1.20	20	
Lead	505	10	µg/L	500		101	80-120	0.677	20	
Selenium	499	50	µg/L	500		99.9	80-120	1.69	20	
Silver	468	5.0	µg/L	500		93.6	80-120	4.09	20	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219637 - SW-846 7196A										
Blank (B219637-BLK1)				Prepared & Analyzed: 12/19/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B219637-BS1)				Prepared & Analyzed: 12/19/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		94.6	80-120			
LCS Dup (B219637-BSD1)				Prepared & Analyzed: 12/19/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		94.6	80-120	0.00	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219881-BS1 Date(s) Analyzed: 12/27/2018 12/27/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.42	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.43	9.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219881-BSD1 Date(s) Analyzed: 12/27/2018 12/27/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.43	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.42	7.4

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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.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.
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 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-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in 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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-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	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
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

18L 0967

MEK

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http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper					
								3	2	2	2	1	1					
								H	I	I	I	N	I					
								V	A	A	A	P	P					
1	MW-16	12/19/18	1030		X	GW	U	X	X	X	X	X	X					
2	MW-15	↓	1145		↓	↓	↓	X	X	X								
3	CCA-2	↓	1230		↓	↓	↓	X	X	X								
4	MW-201	↓	1310		↓	↓	↓	X	X	X								
5	MW-202	↓	1345		↓	↓	↓			X								
6	MW-203	↓	1410		↓	↓	↓			X								
7	DUP-1	↓	—		↓	↓	↓	X	X	X	X	X	X					
8	TRIP BLANK	↓	—		↓	↓	↓	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.

Please send results to:

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

Relinquished by: (signature) [signature] 12/19/18	Date/Time:
Received by: (signature) Tom Mail 12/19/18 1715	Date/Time:
Relinquished by: (signature) Tom Mail 12/19/18 1900	Date/Time:
Received by: (signature) [signature] 2.8	Date/Time: 12/19/18 1900
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 Western Sampson

Received By LR Date 12/16/18 Time 1900

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.8

By Blank # _____ Actual Temp - _____

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

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

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

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

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F Who was notified? _____

Are there Short Holds? T Who was notified? _____

Is there enough Volume? T Who was notified? David

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 T Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	18	1 Liter Plastic		16 oz Amb.	
HCL-	17	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	4	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass	10	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:

X:\HPCHEM\1\DATA\A122618.SEC\A1226059.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1226059.D
Data File Path	X:\HPCHEM\1\DATA\A122618.SEC\
Operator	RMW
Date Acquired	12/26/2018 10:30
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.15	336743	352633	5
c - 10	1.51	342011	352633	3
c - 12	2.24	344832	352633	2
c - 14	2.90	358205	352633	-2
c - 16	3.50	364038	352633	-3
c - 18	4.08	364987	352633	-4
c - 20	4.70	368242	352633	-4
c - 22	5.21	368921	352633	-5
c - 24	5.65	365146	352633	-4
c - 26	6.04	362008	352633	-3
c - 28	6.40	361335	352633	-2
c - 30	6.73	361577	352633	-3
c - 32	7.04	343162	352633	3
c - 34	7.34	328123	352633	7
c - 36	7.62	320158	352633	9

*One compound allowed %D </=50%

Samples

18L0965-03
18L0967-02
18L0967-03
18L0967-04
18L0967-01
18L0967-05
18L0967-04
18L0967-06
18L0967-07
18L1005-01
18L0965-02
18L0969-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury AWC

Project Number: 18L0967

Laboratory Sample ID(s):
18L0967-01 thru 18L0967-08

Sample Date(s):
12/19/2018

List RCP Methods Used:

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

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

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

Lisa A. Worthington

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

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

Printed Name: Lisa A. Worthington **Date:** 12/28/18

Name of Laboratory: Con-Test Analytical Laboratory

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

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

December 28, 2018

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: 18L1024

Enclosed are results of analyses for samples received by the laboratory on December 20, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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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: 12/28/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: 10227659

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L1024

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-3	18L1024-01	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
CCA-4	18L1024-02	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-200	18L1024-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-5	18L1024-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-AIR-1	18L1024-05	Ground Water		SW-846 8270D	
Trip Blank	18L1024-06	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

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

SW-846 8260C

Qualifications:

L-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:

Dichlorodifluoromethane (Freon 12
18L1024-03[MW-200], 18L1024-04[CCA-5], 18L1024-06[Trip Blank], B219919-BLK1, B219919-BS1

V-36

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

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
B219919-BS1, S030708-CCV1

SW-846 8270D

Qualifications:

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
18L1024-01[CCA-3], 18L1024-02[CCA-4], 18L1024-05[MW-AIR-1], B220070-BLK1, B220070-BS1, B220070-BSD1, S030802-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:

Aniline
18L1024-01[CCA-3], 18L1024-02[CCA-4], 18L1024-05[MW-AIR-1], B220070-BLK1, B220070-BS1, B220070-BSD1, S030802-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
18L1024-01[CCA-3], 18L1024-02[CCA-4], 18L1024-05[MW-AIR-1], B220070-BLK1, B220070-BS1, B220070-BSD1, S030802-CCV1

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SW-846 8260C

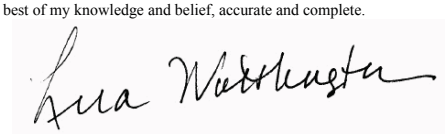
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

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
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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Acenaphthylene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Aniline	ND	4.8	µg/L	1	V-34	SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Anthracene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(a)anthracene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(a)pyrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(b)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(g,h,i)perylene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Benzo(k)fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Chloroaniline	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Chrysene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Dibenz(a,h)anthracene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Fluoranthene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Fluorene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Hexachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Hexachloroethane	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Methylnaphthalene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Naphthalene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
2-Nitroaniline	ND	9.5	µg/L	1	V-35	SW-846 8270D	12/27/18	12/28/18 13:04	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pentachlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Phenanthrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pyrene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	12/27/18	12/28/18 12:35	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.2	15-110		12/28/18 13:04
2-Fluorophenol (SIM)	65.4	15-110		12/28/18 12:35
Phenol-d6	35.7	15-110		12/28/18 13:04
Phenol-d6 (SIM)	40.0	15-110		12/28/18 12:35

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		78.0	30-130					12/28/18 13:04	
Nitrobenzene-d5		88.4	30-130					12/28/18 12:35	
2-Fluorobiphenyl		53.7	30-130					12/28/18 12:35	
2-Fluorobiphenyl		77.4	30-130					12/28/18 13:04	
2,4,6-Tribromophenol		88.7	15-110					12/28/18 13:04	
2,4,6-Tribromophenol (SIM)		92.7	15-110					12/28/18 12:35	
p-Terphenyl-d14		70.1	30-130					12/28/18 12:35	
p-Terphenyl-d14		89.8	30-130					12/28/18 13:04	

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.072	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 20:11	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	84.2	50-150		12/27/18 20:11

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3
Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Barium	150	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/28/18 14:56	JLC
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/26/18	12/27/18 9:49	AJL
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:28	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-3 | Sampled: 12/20/2018 10:20

Sample ID: 18L1024-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/20/18	12/20/18 18:05	MG2/DJM

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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

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	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Acenaphthylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(a)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(a)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(b)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(g,h,i)perylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Benzo(k)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Bis(2-chloroethoxy)methane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Bis(2-chloroethyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Bromophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Butylbenzylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Carbazole	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Chloroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Chloro-3-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Chloronaphthalene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Chlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Chlorophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Chrysene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Dibenz(a,h)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Di-n-butylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
3,3-Dichlorobenzidine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Diethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dimethylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Dimethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dinitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,6-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Fluorene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Fluorene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Hexachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Hexachlorobutadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Hexachlorocyclopentadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Hexachloroethane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Isophorone	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Methylnaphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
2-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
3/4-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Naphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
2-Nitroaniline	ND	9.8	µg/L	1	V-35	SW-846 8270D	12/27/18	12/28/18 13:28	BGL
3-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pentachlorophenol (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Nitrobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
4-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pentachloronitrobenzene	ND	9.8	µg/L	1	V-16	SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pentachlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Phenanthrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Phenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
Pyrene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:04	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4,5-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL
2,4,6-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	52.8	15-110		12/28/18 13:28
2-Fluorophenol (SIM)	70.6	15-110		12/28/18 13:04
Phenol-d6	38.1	15-110		12/28/18 13:28
Phenol-d6 (SIM)	43.7	15-110		12/28/18 13:04

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		79.8	30-130					12/28/18 13:28	
Nitrobenzene-d5		83.7	30-130					12/28/18 13:04	
2-Fluorobiphenyl		76.8	30-130					12/28/18 13:28	
2-Fluorobiphenyl		51.4	30-130					12/28/18 13:04	
2,4,6-Tribromophenol		85.5	15-110					12/28/18 13:28	
2,4,6-Tribromophenol (SIM)		87.0	15-110					12/28/18 13:04	
p-Terphenyl-d14		89.2	30-130					12/28/18 13:28	
p-Terphenyl-d14		65.3	30-130					12/28/18 13:04	

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.071	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 22:31	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	91.2	50-150		12/27/18 22:31

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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4 | Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Barium	ND	50	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	12/21/18	12/28/18 14:56	JLC
Copper	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/26/18	12/27/18 9:51	AJL
Selenium	ND	25	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020B	12/21/18	12/24/18 15:32	MJH

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

Project Location: Simsbury, CT
Sample Description:
Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-4
Sampled: 12/20/2018 11:30

Sample ID: 18L1024-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	12/20/18	12/20/18 18:05	MG2/DJM

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: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

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	12/24/18	12/24/18 21:59	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

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	12/24/18	12/24/18 21:59	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	84.4	70-130		12/24/18 21:59
Toluene-d8	97.6	70-130		12/24/18 21:59
4-Bromofluorobenzene	99.4	70-130		12/24/18 21:59

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: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.0	30-150		12/27/18 18:14
Decachlorobiphenyl [2]	88.9	30-150		12/27/18 18:14
Tetrachloro-m-xylene [1]	84.4	30-150		12/27/18 18:14
Tetrachloro-m-xylene [2]	88.1	30-150		12/27/18 18:14

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: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-200 | Sampled: 12/20/2018 12:30

Sample ID: 18L1024-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.071	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 20:28	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	86.5	50-150		12/27/18 20:28

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 22:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	84.6	70-130		12/24/18 22:26
Toluene-d8	97.0	70-130		12/24/18 22:26
4-Bromofluorobenzene	97.0	70-130		12/24/18 22:26

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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/22/18	12/27/18 18:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.7	30-150		12/27/18 18:27
Decachlorobiphenyl [2]	86.3	30-150		12/27/18 18:27
Tetrachloro-m-xylene [1]	79.5	30-150		12/27/18 18:27
Tetrachloro-m-xylene [2]	82.7	30-150		12/27/18 18:27

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: CCA-5 | Sampled: 12/20/2018 13:00

Sample ID: 18L1024-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.074	mg/L	1		CTDEP ETPH	12/27/18	12/27/18 20:46	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	85.7	50-150		12/27/18 20:46

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-AIR-1 | Sampled: 12/20/2018 14:00

Sample ID: 18L1024-05

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	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Acenaphthylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Aniline	ND	4.9	µg/L	1	V-34	SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(a)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(a)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(b)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(g,h,i)perylene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Benzo(k)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Bis(2-chloroethoxy)methane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Bis(2-chloroethyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Bromophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Butylbenzylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Carbazole	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Chloroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Chloro-3-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Chloronaphthalene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Chlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Chlorophenylphenylether	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Chrysene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Dibenz(a,h)anthracene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Di-n-butylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
3,3-Dichlorobenzidine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Diethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dimethylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Dimethylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dinitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,6-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-AIR-1 | Sampled: 12/20/2018 14:00

Sample ID: 18L1024-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-octylphthalate	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Fluoranthene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Fluorene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Fluorene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Hexachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Hexachlorobutadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Hexachlorocyclopentadiene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Hexachloroethane	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Isophorone	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Methylnaphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
2-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
3/4-Methylphenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Naphthalene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
2-Nitroaniline	ND	9.8	µg/L	1	V-35	SW-846 8270D	12/27/18	12/28/18 13:52	BGL
3-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pentachlorophenol (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Nitrobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
4-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pentachloronitrobenzene	ND	9.8	µg/L	1	V-16	SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pentachlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Phenanthrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Phenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pyrene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
Pyrene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:32	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4,5-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL
2,4,6-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270D	12/27/18	12/28/18 13:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.9	15-110		12/28/18 13:52
2-Fluorophenol (SIM)	60.7	15-110		12/28/18 13:32
Phenol-d6	38.7	15-110		12/28/18 13:52
Phenol-d6 (SIM)	37.1	15-110		12/28/18 13:32

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: MW-AIR-1 | Sampled: 12/20/2018 14:00

Sample ID: 18L1024-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		81.4	30-130					12/28/18 13:52	
Nitrobenzene-d5		81.0	30-130					12/28/18 13:32	
2-Fluorobiphenyl		49.1	30-130					12/28/18 13:32	
2-Fluorobiphenyl		78.6	30-130					12/28/18 13:52	
2,4,6-Tribromophenol		86.4	15-110					12/28/18 13:52	
2,4,6-Tribromophenol (SIM)		83.0	15-110					12/28/18 13:32	
p-Terphenyl-d14		87.0	30-130					12/28/18 13:52	
p-Terphenyl-d14		64.1	30-130					12/28/18 13:32	

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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: 18L1024

Date Received: 12/20/2018

Field Sample #: Trip Blank | Sampled: 12/20/2018 00:00

Sample ID: 18L1024-06

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	12/24/18	12/24/18 21:33	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chloroethane	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18L1024

Date Received: 12/20/2018

Field Sample #: Trip Blank | Sampled: 12/20/2018 00:00

Sample ID: 18L1024-06

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	12/24/18	12/24/18 21:33	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	12/24/18	12/24/18 21:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	86.0	70-130		12/24/18 21:33
Toluene-d8	96.8	70-130		12/24/18 21:33
4-Bromofluorobenzene	95.8	70-130		12/24/18 21:33

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B220047	1040	1.00	12/27/18
18L1024-02 [CCA-4]	B220047	1050	1.00	12/27/18
18L1024-03 [MW-200]	B220047	1050	1.00	12/27/18
18L1024-04 [CCA-5]	B220047	1020	1.00	12/27/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B219822	50.0	50.0	12/21/18
18L1024-02 [CCA-4]	B219822	50.0	50.0	12/21/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B219756	50.0	50.0	12/20/18
18L1024-02 [CCA-4]	B219756	50.0	50.0	12/20/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B219933	6.00	6.00	12/26/18
18L1024-02 [CCA-4]	B219933	6.00	6.00	12/26/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-03 [MW-200]	B219881	1000	10.0	12/22/18
18L1024-04 [CCA-5]	B219881	1000	10.0	12/22/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-03 [MW-200]	B219919	5	5.00	12/24/18
18L1024-04 [CCA-5]	B219919	5	5.00	12/24/18
18L1024-06 [Trip Blank]	B219919	5	5.00	12/24/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B220070	1050	1.00	12/27/18
18L1024-02 [CCA-4]	B220070	1020	1.00	12/27/18
18L1024-05 [MW-AIR-1]	B220070	1020	1.00	12/27/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L1024-01 [CCA-3]	B220174	1050	1.00	12/27/18
18L1024-02 [CCA-4]	B220174	1020	1.00	12/27/18
18L1024-05 [MW-AIR-1]	B220174	1020	1.00	12/27/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Date
18L1024-01 [CCA-3]	B219822	50.0	12/21/18
18L1024-02 [CCA-4]	B219822	50.0	12/21/18

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219919 - SW-846 5030B										
Blank (B219919-BLK1)				Prepared & Analyzed: 12/24/18						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							L-03
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 B219919 - SW-846 5030B											
Blank (B219919-BLK1)				Prepared & Analyzed: 12/24/18							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	0.50	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*21.1*		µg/L	25.0		84.2		70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0		70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0		70-130			
LCS (B219919-BS1)				Prepared & Analyzed: 12/24/18							
Acetone	115	10	µg/L	100		115		70-130			
Acrylonitrile	8.90	2.0	µg/L	10.0		89.0		70-130			
Benzene	9.61	0.50	µg/L	10.0		96.1		70-130			
Bromobenzene	10.1	0.50	µg/L	10.0		101		70-130			
Bromodichloromethane	9.23	0.50	µg/L	10.0		92.3		70-130			
Bromoform	9.92	0.50	µg/L	10.0		99.2		70-130			
Bromomethane	9.80	1.0	µg/L	10.0		98.0		70-130			
2-Butanone (MEK)	95.2	5.0	µg/L	100		95.2		70-130			
n-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130			
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130			
tert-Butylbenzene	10.5	1.0	µg/L	10.0		105		70-130			
Carbon Disulfide	9.82	5.0	µg/L	10.0		98.2		70-130			
Carbon Tetrachloride	9.17	0.50	µg/L	10.0		91.7		70-130			
Chlorobenzene	10.9	0.50	µg/L	10.0		109		70-130			
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103		70-130			
Chloroethane	9.71	0.50	µg/L	10.0		97.1		70-130			
Chloroform	9.47	0.50	µg/L	10.0		94.7		70-130			
Chloromethane	7.25	0.60	µg/L	10.0		72.5		70-130			
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130			
4-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.37	0.50	µg/L	10.0		83.7		70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101		70-130			
Dibromomethane	9.70	0.50	µg/L	10.0		97.0		70-130			
1,2-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
1,3-Dichlorobenzene	10.8	0.50	µg/L	10.0		108		70-130			
1,4-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
trans-1,4-Dichloro-2-butene	9.44	2.0	µg/L	10.0		94.4		70-130			
Dichlorodifluoromethane (Freon 12)	5.62	0.50	µg/L	10.0		**56.2**	*	70-130			L-03
1,1-Dichloroethane	9.76	0.50	µg/L	10.0		97.6		70-130			
1,2-Dichloroethane	8.65	0.50	µg/L	10.0		86.5		70-130			
1,1-Dichloroethylene	8.98	0.50	µg/L	10.0		89.8		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219919 - SW-846 5030B										
LCS (B219919-BS1)				Prepared & Analyzed: 12/24/18						
cis-1,2-Dichloroethylene	9.24	0.50	µg/L	10.0		92.4	70-130			
trans-1,2-Dichloroethylene	9.37	1.0	µg/L	10.0		93.7	70-130			
1,2-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130			
1,3-Dichloropropane	9.27	0.50	µg/L	10.0		92.7	70-130			
2,2-Dichloropropane	9.42	0.50	µg/L	10.0		94.2	70-130			
1,1-Dichloropropene	9.30	0.50	µg/L	10.0		93.0	70-130			
cis-1,3-Dichloropropene	9.95	0.50	µg/L	10.0		99.5	70-130			
trans-1,3-Dichloropropene	9.93	0.50	µg/L	10.0		99.3	70-130			
Ethylbenzene	11.0	0.50	µg/L	10.0		110	70-130			
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130			V-36
2-Hexanone (MBK)	89.3	5.0	µg/L	100		89.3	70-130			
Isopropylbenzene (Cumene)	11.5	0.50	µg/L	10.0		115	70-130			
p-Isopropyltoluene (p-Cymene)	10.8	0.50	µg/L	10.0		108	70-130			
Methyl tert-Butyl Ether (MTBE)	9.25	0.50	µg/L	10.0		92.5	70-130			
Methylene Chloride	8.14	5.0	µg/L	10.0		81.4	70-130			
4-Methyl-2-pentanone (MIBK)	86.7	5.0	µg/L	100		86.7	70-130			
Naphthalene	8.89	2.0	µg/L	10.0		88.9	70-130			
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Styrene	10.5	1.0	µg/L	10.0		105	70-130			
1,1,1,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113	70-130			
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Tetrachloroethylene	11.3	1.0	µg/L	10.0		113	70-130			
Tetrahydrofuran	8.80	10	µg/L	10.0		88.0	70-130			
Toluene	10.1	1.0	µg/L	10.0		101	70-130			
1,2,3-Trichlorobenzene	9.54	0.50	µg/L	10.0		95.4	70-130			
1,2,4-Trichlorobenzene	10.0	0.50	µg/L	10.0		100	70-130			
1,1,1-Trichloroethane	9.60	0.50	µg/L	10.0		96.0	70-130			
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Trichlorofluoromethane (Freon 11)	8.23	2.0	µg/L	10.0		82.3	70-130			
1,2,3-Trichloropropane	7.89	0.50	µg/L	10.0		78.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	0.50	µg/L	10.0		103	70-130			
1,2,4-Trimethylbenzene	9.91	0.50	µg/L	10.0		99.1	70-130			
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107	70-130			
Vinyl Chloride	7.89	1.0	µg/L	10.0		78.9	70-130			
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*21.4*		µg/L	25.0		85.5	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220070 - SW-846 3510C										
Blank (B220070-BLK1)				Prepared: 12/27/18 Analyzed: 12/28/18						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							V-34
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	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							

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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 B220070 - SW-846 3510C											
Blank (B220070-BLK1)				Prepared: 12/27/18 Analyzed: 12/28/18							
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	
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*105*		µg/L	200		52.5	15-110				
Surrogate: Phenol-d6	*77.3*		µg/L	200		38.7	15-110				
Surrogate: Nitrobenzene-d5	*79.4*		µg/L	100		79.4	30-130				
Surrogate: 2-Fluorobiphenyl	*78.5*		µg/L	100		78.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*174*		µg/L	200		87.2	15-110				
Surrogate: p-Terphenyl-d14	*93.0*		µg/L	100		93.0	30-130				
LCS (B220070-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Acenaphthene	40.2	5.0	µg/L	50.0		80.3	40-140				
Acenaphthylene	41.0	5.0	µg/L	50.0		82.0	40-140				
Aniline	36.6	5.0	µg/L	50.0		73.2	40-140			V-34	†
Anthracene	42.0	5.0	µg/L	50.0		84.0	40-140				
Benzo(a)anthracene	43.0	5.0	µg/L	50.0		86.0	40-140				
Benzo(a)pyrene	43.1	5.0	µg/L	50.0		86.2	40-140				
Benzo(b)fluoranthene	40.1	5.0	µg/L	50.0		80.3	40-140				
Benzo(g,h,i)perylene	47.2	5.0	µg/L	50.0		94.5	40-140				
Benzo(k)fluoranthene	41.4	5.0	µg/L	50.0		82.8	40-140				
Bis(2-chloroethoxy)methane	48.5	10	µg/L	50.0		96.9	40-140				
Bis(2-chloroethyl)ether	45.5	10	µg/L	50.0		91.0	40-140				
Bis(2-chloroisopropyl)ether	49.1	10	µg/L	50.0		98.3	40-140				
Bis(2-Ethylhexyl)phthalate	48.8	10	µg/L	50.0		97.6	40-140				
4-Bromophenylphenylether	42.8	10	µg/L	50.0		85.7	40-140				
Butylbenzylphthalate	48.5	10	µg/L	50.0		97.0	40-140				
Carbazole	40.4	10	µg/L	50.0		80.9	40-140				
4-Chloroaniline	36.2	10	µg/L	50.0		72.4	40-140				†
4-Chloro-3-methylphenol	43.7	10	µg/L	50.0		87.3	30-130				
2-Chloronaphthalene	36.3	10	µg/L	50.0		72.7	40-140				
2-Chlorophenol	42.3	10	µg/L	50.0		84.7	30-130				
4-Chlorophenylphenylether	41.9	10	µg/L	50.0		83.8	40-140				
Chrysene	41.4	5.0	µg/L	50.0		82.8	40-140				
Dibenz(a,h)anthracene	44.2	5.0	µg/L	50.0		88.3	40-140				
Dibenzofuran	42.0	5.0	µg/L	50.0		84.1	40-140				
Di-n-butylphthalate	44.2	10	µg/L	50.0		88.4	40-140				
3,3-Dichlorobenzidine	47.7	10	µg/L	50.0		95.4	40-140				†
2,4-Dichlorophenol	42.2	10	µg/L	50.0		84.3	30-130				
Diethylphthalate	42.3	10	µg/L	50.0		84.6	40-140				
2,4-Dimethylphenol	44.8	10	µg/L	50.0		89.5	30-130				
Dimethylphthalate	42.7	10	µg/L	50.0		85.3	40-140				
4,6-Dinitro-2-methylphenol	43.3	10	µg/L	50.0		86.6	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 B220070 - SW-846 3510C											
LCS (B220070-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18							
2,4-Dinitrophenol	42.2	10	µg/L	50.0		84.5	30-130				
2,4-Dinitrotoluene	42.9	10	µg/L	50.0		85.9	40-140				
2,6-Dinitrotoluene	46.6	10	µg/L	50.0		93.1	40-140				
Di-n-octylphthalate	48.0	10	µg/L	50.0		96.0	40-140				
Fluoranthene	40.6	5.0	µg/L	50.0		81.1	40-140				
Fluorene	40.6	5.0	µg/L	50.0		81.2	40-140				
Hexachlorobenzene	43.7	10	µg/L	50.0		87.4	40-140				
Hexachlorobutadiene	40.0	10	µg/L	50.0		80.0	40-140				
Hexachlorocyclopentadiene	40.5	10	µg/L	50.0		81.0	30-140				
Hexachloroethane	41.8	10	µg/L	50.0		83.7	40-140				
Indeno(1,2,3-cd)pyrene	45.6	5.0	µg/L	50.0		91.3	40-140				
Isophorone	46.0	10	µg/L	50.0		91.9	40-140				
2-Methylnaphthalene	42.8	5.0	µg/L	50.0		85.7	40-140				
2-Methylphenol	43.6	10	µg/L	50.0		87.2	30-130				
3/4-Methylphenol	37.1	10	µg/L	50.0		74.2	30-130				
Naphthalene	40.6	5.0	µg/L	50.0		81.1	40-140				
2-Nitroaniline	43.7	10	µg/L	50.0		87.4	40-140			V-35	
3-Nitroaniline	41.5	10	µg/L	50.0		83.0	40-140				†
4-Nitroaniline	42.1	10	µg/L	50.0		84.2	40-140				
Nitrobenzene	42.4	10	µg/L	50.0		84.8	40-140				
2-Nitrophenol	45.6	10	µg/L	50.0		91.3	30-130				
4-Nitrophenol	22.7	10	µg/L	50.0		45.3	10-130				
N-Nitrosodiphenylamine/Diphenylamine	43.8	10	µg/L	50.0		87.7	40-140				
N-Nitrosodi-n-propylamine	44.8	10	µg/L	50.0		89.6	40-140				
Pentachloronitrobenzene	42.6	10	µg/L	50.0		85.2	40-140			V-16	
Pentachlorophenol	42.5	10	µg/L	50.0		84.9	30-130				
Phenanthrene	42.0	5.0	µg/L	50.0		84.1	40-140				
Phenol	21.1	10	µg/L	50.0		42.1	20-130				
Pyrene	42.7	5.0	µg/L	50.0		85.5	40-140				
Pyridine	23.5	5.0	µg/L	50.0		46.9	10-140				†
1,2,4,5-Tetrachlorobenzene	40.8	10	µg/L	50.0		81.7	40-140				
1,2,4-Trichlorobenzene	40.2	5.0	µg/L	50.0		80.4	40-140				
2,4,5-Trichlorophenol	42.1	10	µg/L	50.0		84.2	30-130				
2,4,6-Trichlorophenol	44.6	10	µg/L	50.0		89.2	30-130				
Surrogate: 2-Fluorophenol	*117*		µg/L	200		58.4	15-110				
Surrogate: Phenol-d6	*82.7*		µg/L	200		41.4	15-110				
Surrogate: Nitrobenzene-d5	*87.3*		µg/L	100		87.3	30-130				
Surrogate: 2-Fluorobiphenyl	*87.8*		µg/L	100		87.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*190*		µg/L	200		95.0	15-110				
Surrogate: p-Terphenyl-d14	*95.3*		µg/L	100		95.3	30-130				
LCS Dup (B220070-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Acenaphthene	40.6	5.0	µg/L	50.0		81.3	40-140	1.14	20		
Acenaphthylene	41.5	5.0	µg/L	50.0		83.0	40-140	1.12	20		
Aniline	35.3	5.0	µg/L	50.0		70.7	40-140	3.59	50	V-34	† ‡
Anthracene	42.4	5.0	µg/L	50.0		84.8	40-140	0.995	20		
Benzo(a)anthracene	43.2	5.0	µg/L	50.0		86.5	40-140	0.510	20		
Benzo(a)pyrene	43.3	5.0	µg/L	50.0		86.5	40-140	0.440	20		
Benzo(b)fluoranthene	40.7	5.0	µg/L	50.0		81.5	40-140	1.51	20		
Benzo(g,h,i)perylene	44.9	5.0	µg/L	50.0		89.8	40-140	5.08	20		
Benzo(k)fluoranthene	41.8	5.0	µg/L	50.0		83.7	40-140	1.01	20		
Bis(2-chloroethoxy)methane	47.9	10	µg/L	50.0		95.8	40-140	1.22	20		

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B220070 - SW-846 3510C											
LCS Dup (B220070-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Bis(2-chloroethyl)ether	42.6	10	µg/L	50.0		85.2	40-140	6.54	20		
Bis(2-chloroisopropyl)ether	45.8	10	µg/L	50.0		91.5	40-140	7.08	20		
Bis(2-Ethylhexyl)phthalate	47.6	10	µg/L	50.0		95.2	40-140	2.49	20		
4-Bromophenylphenylether	43.5	10	µg/L	50.0		87.0	40-140	1.55	20		
Butylbenzylphthalate	47.7	10	µg/L	50.0		95.3	40-140	1.73	20		
Carbazole	41.0	10	µg/L	50.0		82.1	40-140	1.52	20		
4-Chloroaniline	36.8	10	µg/L	50.0		73.6	40-140	1.62	20		†
4-Chloro-3-methylphenol	42.6	10	µg/L	50.0		85.3	30-130	2.39	20		
2-Chloronaphthalene	37.4	10	µg/L	50.0		74.7	40-140	2.82	20		
2-Chlorophenol	40.5	10	µg/L	50.0		81.0	30-130	4.42	20		
4-Chlorophenylphenylether	42.0	10	µg/L	50.0		84.1	40-140	0.310	20		
Chrysene	41.6	5.0	µg/L	50.0		83.2	40-140	0.554	20		
Dibenz(a,h)anthracene	42.7	5.0	µg/L	50.0		85.5	40-140	3.29	20		
Dibenzofuran	42.6	5.0	µg/L	50.0		85.1	40-140	1.21	20		
Di-n-butylphthalate	44.2	10	µg/L	50.0		88.3	40-140	0.0905	20		
3,3-Dichlorobenzidine	48.6	10	µg/L	50.0		97.3	40-140	1.93	20		† ‡
2,4-Dichlorophenol	42.5	10	µg/L	50.0		85.1	30-130	0.874	20		
Diethylphthalate	41.6	10	µg/L	50.0		83.2	40-140	1.67	20		
2,4-Dimethylphenol	44.9	10	µg/L	50.0		89.7	30-130	0.201	20		
Dimethylphthalate	42.2	10	µg/L	50.0		84.4	40-140	1.06	50		
4,6-Dinitro-2-methylphenol	44.4	10	µg/L	50.0		88.8	30-130	2.60	50		
2,4-Dinitrophenol	43.1	10	µg/L	50.0		86.1	30-130	1.92	50		
2,4-Dinitrotoluene	42.4	10	µg/L	50.0		84.9	40-140	1.17	20		
2,6-Dinitrotoluene	46.6	10	µg/L	50.0		93.2	40-140	0.0644	20		
Di-n-octylphthalate	47.4	10	µg/L	50.0		94.8	40-140	1.32	20		
Fluoranthene	41.7	5.0	µg/L	50.0		83.4	40-140	2.82	20		
Fluorene	40.9	5.0	µg/L	50.0		81.9	40-140	0.834	20		
Hexachlorobenzene	44.5	10	µg/L	50.0		89.0	40-140	1.81	20		
Hexachlorobutadiene	40.1	10	µg/L	50.0		80.2	40-140	0.325	20		
Hexachlorocyclopentadiene	42.2	10	µg/L	50.0		84.5	30-140	4.21	50		
Hexachloroethane	39.4	10	µg/L	50.0		78.8	40-140	5.98	50		
Indeno(1,2,3-cd)pyrene	43.9	5.0	µg/L	50.0		87.8	40-140	3.86	50		
Isophorone	45.1	10	µg/L	50.0		90.2	40-140	1.87	20		
2-Methylnaphthalene	42.4	5.0	µg/L	50.0		84.9	40-140	0.915	20		
2-Methylphenol	41.7	10	µg/L	50.0		83.3	30-130	4.50	20		
3/4-Methylphenol	35.8	10	µg/L	50.0		71.6	30-130	3.48	20		
Naphthalene	40.2	5.0	µg/L	50.0		80.4	40-140	0.892	20		
2-Nitroaniline	43.4	10	µg/L	50.0		86.9	40-140	0.574	20	V-35	
3-Nitroaniline	42.2	10	µg/L	50.0		84.5	40-140	1.77	20		†
4-Nitroaniline	41.7	10	µg/L	50.0		83.5	40-140	0.930	20		
Nitrobenzene	41.8	10	µg/L	50.0		83.5	40-140	1.50	20		
2-Nitrophenol	46.1	10	µg/L	50.0		92.2	30-130	1.05	20		
4-Nitrophenol	22.6	10	µg/L	50.0		45.2	10-130	0.354	50		‡
N-Nitrosodiphenylamine/Diphenylamine	45.1	10	µg/L	50.0		90.1	40-140	2.72	20		
N-Nitrosodi-n-propylamine	41.5	10	µg/L	50.0		83.0	40-140	7.58	20		
Pentachloronitrobenzene	42.7	10	µg/L	50.0		85.4	40-140	0.188	20	V-16	
Pentachlorophenol	42.5	10	µg/L	50.0		84.9	30-130	0.0236	50		
Phenanthrene	43.0	5.0	µg/L	50.0		85.9	40-140	2.21	20		
Phenol	20.3	10	µg/L	50.0		40.5	20-130	3.87	20		
Pyrene	41.9	5.0	µg/L	50.0		83.9	40-140	1.87	20		
Pyridine	23.0	5.0	µg/L	50.0		45.9	10-140	2.15	50		†
1,2,4,5-Tetrachlorobenzene	42.3	10	µg/L	50.0		84.6	40-140	3.56	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 B220070 - SW-846 3510C										
LCS Dup (B220070-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18						
1,2,4-Trichlorobenzene	40.0	5.0	µg/L	50.0		80.0	40-140	0.574	20	
2,4,5-Trichlorophenol	43.2	10	µg/L	50.0		86.4	30-130	2.60	20	
2,4,6-Trichlorophenol	45.2	10	µg/L	50.0		90.3	30-130	1.27	50	
Surrogate: 2-Fluorophenol	*112*		µg/L	200		55.8	15-110			
Surrogate: Phenol-d6	*78.7*		µg/L	200		39.3	15-110			
Surrogate: Nitrobenzene-d5	*85.6*		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	*88.8*		µg/L	100		88.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*189*		µg/L	200		94.4	15-110			
Surrogate: p-Terphenyl-d14	*93.3*		µg/L	100		93.3	30-130			
Batch B220174 - SW-846 3510C										
Blank (B220174-BLK1)				Prepared: 12/27/18 Analyzed: 12/28/18						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Pentachlorophenol (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: 2-Fluorophenol	*120*		µg/L	200		60.2	15-110			
Surrogate: Phenol-d6	*80.5*		µg/L	200		40.3	15-110			
Surrogate: Nitrobenzene-d5	*85.8*		µg/L	100		85.8	30-130			
Surrogate: 2-Fluorobiphenyl	*53.4*		µg/L	100		53.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*179*		µg/L	200		89.4	15-110			
Surrogate: p-Terphenyl-d14	*70.4*		µg/L	100		70.4	30-130			
LCS (B220174-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18						
Acenaphthene (SIM)	36.6	7.5	µg/L	50.0		73.2	40-140			
Acenaphthylene (SIM)	38.3	7.5	µg/L	50.0		76.6	40-140			
Anthracene (SIM)	40.0	5.0	µg/L	50.0		80.0	40-140			
Benzo(a)anthracene (SIM)	38.7	1.2	µg/L	50.0		77.4	40-140			
Benzo(a)pyrene (SIM)	41.1	2.5	µg/L	50.0		82.2	40-140			
Benzo(b)fluoranthene (SIM)	41.9	1.2	µg/L	50.0		83.8	40-140			
Benzo(g,h,i)perylene (SIM)	40.1	12	µg/L	50.0		80.2	40-140			
Benzo(k)fluoranthene (SIM)	40.9	5.0	µg/L	50.0		81.8	40-140			
Chrysene (SIM)	37.3	5.0	µg/L	50.0		74.6	40-140			
Dibenz(a,h)anthracene (SIM)	41.9	5.0	µg/L	50.0		83.8	40-140			
Fluoranthene (SIM)	35.0	12	µg/L	50.0		70.0	40-140			
Fluorene (SIM)	38.4	25	µg/L	50.0		76.8	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	42.9	5.0	µg/L	50.0		85.8	40-140			
2-Methylnaphthalene (SIM)	36.6	25	µg/L	50.0		73.2	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B220174 - SW-846 3510C											
LCS (B220174-BS1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Naphthalene (SIM)	33.4	25	µg/L	50.0		66.8		40-140			
Pentachlorophenol (SIM)	ND	25	µg/L	50.0			*	40-140			
Phenanthrene (SIM)	37.4	1.2	µg/L	50.0		74.9		40-140			
Pyrene (SIM)	35.1	25	µg/L	50.0		70.2		40-140			
Surrogate: 2-Fluorophenol	*97.1*		µg/L	200		48.6		15-110			
Surrogate: Phenol-d6	*69.3*		µg/L	200		34.6		15-110			
Surrogate: Nitrobenzene-d5	*72.4*		µg/L	100		72.4		30-130			
Surrogate: 2-Fluorobiphenyl	*54.4*		µg/L	100		54.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*154*		µg/L	200		77.0		15-110			
Surrogate: p-Terphenyl-d14	*58.2*		µg/L	100		58.2		30-130			
LCS Dup (B220174-BSD1)				Prepared: 12/27/18 Analyzed: 12/28/18							
Acenaphthene (SIM)	38.8	7.5	µg/L	50.0		77.5		40-140	5.71	20	
Acenaphthylene (SIM)	40.8	7.5	µg/L	50.0		81.5		40-140	6.20	20	
Anthracene (SIM)	42.5	5.0	µg/L	50.0		85.0		40-140	5.94	20	
Benzo(a)anthracene (SIM)	41.4	1.2	µg/L	50.0		82.7		40-140	6.69	20	
Benzo(a)pyrene (SIM)	44.3	2.5	µg/L	50.0		88.6		40-140	7.49	20	
Benzo(b)fluoranthene (SIM)	45.0	1.2	µg/L	50.0		90.0		40-140	7.08	20	
Benzo(g,h,i)perylene (SIM)	43.4	12	µg/L	50.0		86.8		40-140	7.78	20	
Benzo(k)fluoranthene (SIM)	44.3	5.0	µg/L	50.0		88.6		40-140	7.99	20	
Chrysene (SIM)	40.1	5.0	µg/L	50.0		80.2		40-140	7.30	20	
Dibenz(a,h)anthracene (SIM)	45.8	5.0	µg/L	50.0		91.6		40-140	8.84	20	
Fluoranthene (SIM)	41.7	12	µg/L	50.0		83.4		40-140	17.5	20	
Fluorene (SIM)	39.9	25	µg/L	50.0		79.8		40-140	3.83	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.6	5.0	µg/L	50.0		93.1		40-140	8.16	20	‡
2-Methylnaphthalene (SIM)	39.0	25	µg/L	50.0		78.0		40-140	6.22	20	
Naphthalene (SIM)	35.8	25	µg/L	50.0		71.6		40-140	6.93	20	
Pentachlorophenol (SIM)	25.2	25	µg/L	50.0		50.4		40-140	2.21	20	
Phenanthrene (SIM)	40.3	1.2	µg/L	50.0		80.6		40-140	7.33	20	
Pyrene (SIM)	40.0	25	µg/L	50.0		80.1		40-140	13.2	20	
Surrogate: 2-Fluorophenol	*83.6*		µg/L	200		41.8		15-110			
Surrogate: Phenol-d6	*68.7*		µg/L	200		34.4		15-110			
Surrogate: Nitrobenzene-d5	*78.5*		µg/L	100		78.5		30-130			
Surrogate: 2-Fluorobiphenyl	*59.8*		µg/L	100		59.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*151*		µg/L	200		75.7		15-110			
Surrogate: p-Terphenyl-d14	*64.8*		µg/L	100		64.8		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 B219881 - SW-846 3510C										
Blank (B219881-BLK1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	*1.57*		µg/L	2.00		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.46*		µg/L	2.00		72.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.61*		µg/L	2.00		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.51*		µg/L	2.00		75.4	30-150			
LCS (B219881-BS1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		83.7	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		83.3	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500		77.9	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.5	40-140			
Surrogate: Decachlorobiphenyl	*1.51*		µg/L	2.00		75.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.72*		µg/L	2.00		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.56*		µg/L	2.00		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.5	30-150			
LCS Dup (B219881-BSD1)				Prepared: 12/22/18 Analyzed: 12/27/18						
Aroclor-1016	0.42	0.20	µg/L	0.500		84.7	40-140	1.14	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140	4.00	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		76.9	40-140	1.21	20	
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.9	40-140	0.655	20	
Surrogate: Decachlorobiphenyl	*0.836*		µg/L	2.00		41.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.947*		µg/L	2.00		47.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.58*		µg/L	2.00		79.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/L	2.00		82.0	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 B220047 - SW-846 3510C										
Blank (B220047-BLK1)				Prepared & Analyzed: 12/27/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0906*		mg/L	0.100		90.6	50-150			
LCS (B220047-BS1)				Prepared & Analyzed: 12/27/18						
CT ETPH	0.921	0.075	mg/L	1.00		92.1	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0819*		mg/L	0.100		81.9	50-150			
LCS Dup (B220047-BSD1)				Prepared & Analyzed: 12/27/18						
CT ETPH	0.889	0.075	mg/L	1.00		88.9	60-120	3.56	30	
Surrogate: 2-Fluorobiphenyl	*0.0830*		mg/L	0.100		83.0	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 B219822 - SW-846 3005A										
Blank (B219822-BLK1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
LCS (B219822-BS1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	513	4.0	µg/L	500		103	80-120			
Barium	517	100	µg/L	500		103	80-120			
Cadmium	514	5.0	µg/L	500		103	80-120			
Chromium	518	10	µg/L	500		104	80-120			
Copper	1020	50	µg/L	1000		102	80-120			
Lead	509	10	µg/L	500		102	80-120			
Selenium	508	50	µg/L	500		102	80-120			
Silver	449	5.0	µg/L	500		89.8	80-120			
LCS Dup (B219822-BSD1)				Prepared: 12/21/18 Analyzed: 12/24/18						
Arsenic	506	4.0	µg/L	500		101	80-120	1.39	20	
Barium	516	100	µg/L	500		103	80-120	0.0774	20	
Cadmium	514	5.0	µg/L	500		103	80-120	0.0612	20	
Chromium	511	10	µg/L	500		102	80-120	1.43	20	
Copper	1000	50	µg/L	1000		100	80-120	1.20	20	
Lead	505	10	µg/L	500		101	80-120	0.677	20	
Selenium	499	50	µg/L	500		99.9	80-120	1.69	20	
Silver	468	5.0	µg/L	500		93.6	80-120	4.09	20	
Batch B219933 - SW-846 7470A Prep										
Blank (B219933-BLK1)				Prepared: 12/26/18 Analyzed: 12/27/18						
Mercury	ND	0.00010	mg/L							
LCS (B219933-BS1)				Prepared: 12/26/18 Analyzed: 12/27/18						
Mercury	0.00195	0.00010	mg/L	0.00200		97.6	80-120			
LCS Dup (B219933-BSD1)				Prepared: 12/26/18 Analyzed: 12/27/18						
Mercury	0.00202	0.00010	mg/L	0.00200		101	80-120	3.35	20	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B219756 - SW-846 7196A										
Blank (B219756-BLK1)				Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B219756-BS1)				Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	0.098	0.0040	mg/L	0.100		97.5	80-120			
LCS Dup (B219756-BSD1)				Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	0.095	0.0040	mg/L	0.100		95.2	80-120	2.44	20	
Duplicate (B219756-DUP1)		**Source: 18L1024-02**		Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B219756-MS1)		**Source: 18L1024-02**		Prepared & Analyzed: 12/20/18						
Hexavalent Chromium	0.098	0.0040	mg/L	0.100	ND	97.5	75-125			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B219881-BS1 Date(s) Analyzed: 12/27/2018 12/27/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.42	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.43	9.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B219881-BSD1 Date(s) Analyzed: 12/27/2018 12/27/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.43	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.42	7.4

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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-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
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.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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

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

18L1024

con-test ANALYTICAL LABORATORY

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

MEK

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

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

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

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

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP)	Total RCRA 8 Metals	Total Hex Cr, Tri Cr and Copper					
								3	2	2	2	1	1					
								H	I	I	I	N	I					
								V	A	A	A	P	P					
1	CCA-3	12/20/18	1020		X	GW	U			X	X	X	X					
2	CCA-4	↓	1130		↓	↓	↓			X	X	X	X					
3	MW-200	↓	1230		↓	↓	↓	X	X	X								
4	CCA-5	↓	1300		↓	↓	↓	X	X	X								
5	MW-AIR-1	↓	1400		↓	↓	↓				X							
6	TRIP BLANK	↓	—		↓	↓	↓	X										

ANALYSIS REQUESTED

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

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

Please send results to:

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

Relinquished by: (signature) [signature] 12/20/18	Date/Time:
Received by: (signature) Tom Marie 12/20/18 1630	Date/Time:
Relinquished by: (signature) Tom Marie 12/20/18 1815	Date/Time:
Received by: (signature) [signature] 4.8 4.3	Date/Time: 1815 12/20/18
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston + Sampson

Received By LR Date 12/20/18 Time 1815

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 4.8, 4.3

By Blank # _____ Actual Temp - _____

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

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

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

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

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F Who was notified? _____

Are there Short Holds? T Who was notified? _____

Is there enough Volume? T Who was notified? David

Is there Headspace where applicable? F

Proper Media/Containers Used? T MS/MSD? F

Were trip blanks received? T Is splitting samples required? F

Do all samples have the proper pH? Acid T On COC? T Base _____

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

X:\HPCHEM\1\DATA\A122718.SEC\A1227047.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1227047.D
Data File Path	X:\HPCHEM\1\DATA\A122718.SEC\
Operator	RMW
Date Acquired	12/27/2018 7:18
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.15	338999	357703	5
c - 10	1.51	344070	357703	4
c - 12	2.24	346152	357703	3
c - 14	2.90	360222	357703	-1
c - 16	3.50	366954	357703	-3
c - 18	4.08	368640	357703	-3
c - 20	4.70	372010	357703	-4
c - 22	5.21	373520	357703	-4
c - 24	5.65	370233	357703	-4
c - 26	6.04	367502	357703	-3
c - 28	6.40	368072	357703	-3
c - 30	6.73	370411	357703	-4
c - 32	7.04	353121	357703	1
c - 34	7.33	337516	357703	6
c - 36	7.62	328120	357703	8

*One compound allowed %D </=50%

Samples

18L1004-02
18L1024-01
18L1024-03
18L1024-04
18L1004-01
18L1005-12
18L1005-09
18L1005-08
18L1024-02
18L1145-02

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18L1024

Laboratory Sample ID(s):

18L1024-01 thru 18L1024-06

Sample Date(s):

12/20/2018

List RCP Methods Used:

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

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

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

Lisa A. Worthington

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

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

Printed Name: Lisa A. Worthington **Date:** 12/28/18

Name of Laboratory: Con-Test Analytical Laboratory

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