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

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

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

Requirements for Transmittals through the SFT website:

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

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

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

Part II: Site Information

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

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

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

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

Part III: Document Information

Remediation - Monitoring Report
Date of Document: 7/13/2018

Part IV: Submitter Information

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

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

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

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street
Berlin, CT 06037

July 13, 2018

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

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

Dear Mr. Hamel:

Simsbury Area Work Center
34 Hopmeadow Street, Simsbury
Groundwater Report – 2nd Quarter 2018

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

As documented in our Fifteenth Annual Summary Report (Reference 1), a modification to the groundwater sampling program was proposed by the Licensed Environmental Professional retained to provide verification for the investigation and remediation of this site pursuant to CGS Section 22a-133v (Reference 2). Based on this and other more recent recommendations, samples were obtained from fifteen (11) monitor wells including MW-AIR-1, MW-CCA2, MW-CCA3, MW-CCA4, MW-CCA5, MW-15, MW-16, MW-200, MW-201, MW-202, MW-203, and analyzed for various parameters.

As indicated in the enclosed laboratory analytical data report, sample results were below the Remediation Standard Regulation GA Groundwater Protection Criteria (GWPC), Surface Water Protection Criteria, and Groundwater Volatilization Criteria. ETPH was detected at a concentration at the GWPC of 250 ug/L in the sample collected from MW-202.

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

June 13, 2018

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18F0263

Enclosed are results of analyses for samples received by the laboratory on June 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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

REPORT DATE: 6/13/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18F0263

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-201	18F0263-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-202	18F0263-02	Ground Water		CTDEP ETPH	
MW-203	18F0263-03	Ground Water		CTDEP ETPH	
MW-15	18F0263-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-16	18F0263-05	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA2	18F0263-06	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-CCA3	18F0263-07	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
MW-CCA4	18F0263-08	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8270D	
				Tri Chrome Calc.	
DUP-1	18F0263-09	Ground Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				Tri Chrome Calc.	
Trip Blank	18F0263-10	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:

V-05

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

Analyte & Samples(s) Qualified:

Bromomethane
18F0263-01[MW-201], 18F0263-04[MW-15], 18F0263-05[MW-16], 18F0263-06[MW-CCA2], 18F0263-09[DUP-1], 18F0263-10[Trip Blank], B205197-BLK1, B205197-BS1, S024064-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:

Dichlorodifluoromethane (Freon 1
B205197-BS1, S024064-CCV1

SW-846 8270D

Qualifications:

L-04

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

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2-Nitroaniline
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

RL-03

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

Analyte & Samples(s) Qualified:

Hexachlorobenzene
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1]

Pentachlorophenol
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[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
18F0263-09[DUP-1], B205305-BLK1

V-04

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

Analyte & Samples(s) Qualified:

Aniline
18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

V-06

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

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether
B205128-BS1, B205128-BSD1

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V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

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:

Bis(2-chloroisopropyl)ether

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-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:

3,3-Dichlorobenzidine

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

4-Chloroaniline

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

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:

N-Nitrosodiphenylamine

18F0263-05[MW-16], 18F0263-07[MW-CCA3], 18F0263-08[MW-CCA4], 18F0263-09[DUP-1], B205128-BLK1, B205128-BS1, B205128-BSD1

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

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

SW-846 8260C

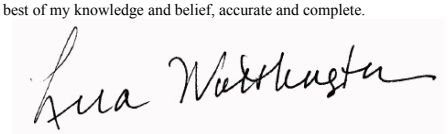
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

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

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

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



Lisa A. Worthington
Project Manager

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD

con-test® ANALYTICAL LABORATORY
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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

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	6/7/18	6/8/18 12:31	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 12:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.6	70-130		6/8/18 12:31
Toluene-d8	98.7	70-130		6/8/18 12:31
4-Bromofluorobenzene	98.8	70-130		6/8/18 12:31

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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

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	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:04	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.5	30-150		6/8/18 18:04
Decachlorobiphenyl [2]	85.5	30-150		6/8/18 18:04
Tetrachloro-m-xylene [1]	75.1	30-150		6/8/18 18:04
Tetrachloro-m-xylene [2]	77.2	30-150		6/8/18 18:04

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-201 | Sampled: 6/6/2018 11:15

Sample ID: 18F0263-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.13	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 16:13	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	99.7	50-150				6/8/18 16:13	

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-202 | Sampled: 6/6/2018 12:20

Sample ID: 18F0263-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.25	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 19:48	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	92.9	50-150				6/8/18 19:48	

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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-203 | Sampled: 6/6/2018 13:00

Sample ID: 18F0263-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 16:31	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	90.8	50-150				6/8/18 16:31	

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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

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	6/7/18	6/8/18 13:02	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

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	6/7/18	6/8/18 13:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.9	70-130		6/8/18 13:02
Toluene-d8	99.6	70-130		6/8/18 13:02
4-Bromofluorobenzene	98.5	70-130		6/8/18 13:02

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

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	6/7/18	6/8/18 18:21	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:21	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.0	30-150		6/8/18 18:21
Decachlorobiphenyl [2]	59.1	30-150		6/8/18 18:21
Tetrachloro-m-xylene [1]	71.8	30-150		6/8/18 18:21
Tetrachloro-m-xylene [2]	73.4	30-150		6/8/18 18:21

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-15 | Sampled: 6/6/2018 12:45

Sample ID: 18F0263-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 16:49	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	91.9	50-150				6/8/18 16:49	

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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 13:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
1,2-Dichloroethane-d4	92.3	70-130				6/8/18 13:33
Toluene-d8	99.5	70-130				6/8/18 13:33
4-Bromofluorobenzene	99.7	70-130				6/8/18 13:33

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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Aniline	ND	4.8	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Chloroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
2-Nitroaniline	ND	9.5	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
N-Nitrosodiphenylamine	ND	9.5	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pentachlorophenol	ND	4.8	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 1:48	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.6	15-110		6/9/18 1:48
2-Fluorophenol	46.4	15-110		6/11/18 19:25
Phenol-d6	34.6	15-110		6/11/18 19:25
Phenol-d6	34.0	15-110		6/9/18 1:48
Nitrobenzene-d5	71.4	30-130		6/9/18 1:48
Nitrobenzene-d5	63.6	30-130		6/11/18 19:25
2-Fluorobiphenyl	65.3	30-130		6/9/18 1:48
2-Fluorobiphenyl	65.5	30-130		6/11/18 19:25
2,4,6-Tribromophenol	101	15-110		6/9/18 1:48
2,4,6-Tribromophenol	91.4	15-110		6/11/18 19:25
p-Terphenyl-d14	69.7	30-130		6/9/18 1:48
p-Terphenyl-d14	86.6	30-130		6/11/18 19:25

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		6/8/18 18:38
Decachlorobiphenyl [2]	88.4	30-150		6/8/18 18:38
Tetrachloro-m-xylene [1]	74.6	30-150		6/8/18 18:38
Tetrachloro-m-xylene [2]	76.0	30-150		6/8/18 18:38

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.11	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 17:07	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	90.2	50-150				6/8/18 17:07	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 11:52	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:07	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:52	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-16 | Sampled: 6/6/2018 09:00

Sample ID: 18F0263-05

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	6/6/18	6/6/18 22:17	LED

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		6/8/18 14:04
Toluene-d8	99.4	70-130		6/8/18 14:04
4-Bromofluorobenzene	98.9	70-130		6/8/18 14:04

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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	6/7/18	6/8/18 18:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.2	30-150		6/8/18 18:56
Decachlorobiphenyl [2]	91.2	30-150		6/8/18 18:56
Tetrachloro-m-xylene [1]	76.6	30-150		6/8/18 18:56
Tetrachloro-m-xylene [2]	79.0	30-150		6/8/18 18:56

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA2 | Sampled: 6/6/2018 11:00

Sample ID: 18F0263-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 17:25	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	93.2	50-150				6/8/18 17:25	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

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	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Aniline	ND	4.8	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Chloroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR

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: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

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	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
2-Nitroaniline	ND	9.5	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
N-Nitrosodiphenylamine	ND	9.5	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pentachlorophenol	ND	4.8	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:12	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 19:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	55.7	15-110		6/11/18 19:50
2-Fluorophenol	54.6	15-110		6/9/18 3:12
Phenol-d6	40.8	15-110		6/11/18 19:50
Phenol-d6	33.7	15-110		6/9/18 3:12
Nitrobenzene-d5	73.4	30-130		6/11/18 19:50
Nitrobenzene-d5	71.7	30-130		6/9/18 3:12
2-Fluorobiphenyl	64.6	30-130		6/11/18 19:50
2-Fluorobiphenyl	61.7	30-130		6/9/18 3:12
2,4,6-Tribromophenol	87.8	15-110		6/11/18 19:50
2,4,6-Tribromophenol	92.1	15-110		6/9/18 3:12
p-Terphenyl-d14	83.3	30-130		6/11/18 19:50
p-Terphenyl-d14	66.7	30-130		6/9/18 3:12

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 17:43	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	96.5	50-150				6/8/18 17:43	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

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 6020A-B	6/11/18	6/12/18 11:56	MJH
Barium	150	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 11:56	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:04	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:56	MJH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA3 | Sampled: 6/6/2018 09:25

Sample ID: 18F0263-07

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	6/6/18	6/6/18 22:17	LED

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Aniline	ND	4.8	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(a)pyrene (SIM)	ND	0.095	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Bis(2-chloroethoxy)methane	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Bis(2-chloroethyl)ether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Bromophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Butylbenzylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Carbazole	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Chloroaniline	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Chloro-3-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Chloronaphthalene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Chlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Chlorophenylphenylether	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Dibenzofuran	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Di-n-butylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
3,3-Dichlorobenzidine	ND	9.5	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Diethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dimethylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Dimethylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dinitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,6-Dinitrotoluene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Di-n-octylphthalate	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Fluorene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Hexachlorobutadiene	ND	9.5	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Hexachlorocyclopentadiene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Isophorone	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Methylnaphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
3/4-Methylphenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Naphthalene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
2-Nitroaniline	ND	9.5	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
3-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Nitroaniline	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pentachlorophenol (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Nitrobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
4-Nitrophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
N-Nitrosodiphenylamine	ND	9.5	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
N-Nitrosodi-n-propylamine	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pentachloronitrobenzene	ND	9.5	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pentachlorophenol	ND	4.8	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Phenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
Pyrene (SIM)	ND	0.95	µg/L	1		SW-846 8270D	6/7/18	6/9/18 3:40	IMR
Pyridine	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
1,2,4-Trichlorobenzene	ND	4.8	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4,5-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL
2,4,6-Trichlorophenol	ND	9.5	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.4	15-110		6/9/18 3:40
2-Fluorophenol	44.5	15-110		6/11/18 20:15
Phenol-d6	32.3	15-110		6/9/18 3:40
Phenol-d6	32.9	15-110		6/11/18 20:15
Nitrobenzene-d5	67.4	30-130		6/9/18 3:40
Nitrobenzene-d5	59.8	30-130		6/11/18 20:15
2-Fluorobiphenyl	62.2	30-130		6/9/18 3:40
2-Fluorobiphenyl	60.0	30-130		6/11/18 20:15
2,4,6-Tribromophenol	98.2	15-110		6/9/18 3:40
2,4,6-Tribromophenol	86.6	15-110		6/11/18 20:15
p-Terphenyl-d14	65.0	30-130		6/9/18 3:40
p-Terphenyl-d14	79.6	30-130		6/11/18 20:15

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 18:01	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	96.6	50-150					6/8/18 18:01	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 11:59	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:13	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 11:59	MJH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: MW-CCA4 | Sampled: 6/6/2018 10:25

Sample ID: 18F0263-08

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	6/6/18	6/6/18 22:17	LED

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 14:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
1,2-Dichloroethane-d4	93.4	70-130				6/8/18 14:34
Toluene-d8	98.5	70-130				6/8/18 14:34
4-Bromofluorobenzene	98.2	70-130				6/8/18 14:34

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Aniline	ND	5.0	µg/L	1	V-04	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	V-20	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Hexachlorobutadiene	ND	10	µg/L	1	L-04	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
2-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1	V-35	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/7/18	6/9/18 4:08	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/7/18	6/11/18 20:39	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	71.0		15-110		6/9/18 4:08
2-Fluorophenol	55.9		15-110		6/11/18 20:39
Phenol-d6	39.2		15-110		6/11/18 20:39
Phenol-d6	44.5		15-110		6/9/18 4:08
Nitrobenzene-d5	94.6		30-130		6/11/18 20:39
Nitrobenzene-d5	101		30-130		6/9/18 4:08
2-Fluorobiphenyl	89.5		30-130		6/9/18 4:08
2-Fluorobiphenyl	75.9		30-130		6/11/18 20:39
2,4,6-Tribromophenol	**123**	*	15-110	S-07	6/9/18 4:08
2,4,6-Tribromophenol	104		15-110		6/11/18 20:39
p-Terphenyl-d14	93.5		30-130		6/11/18 20:39
p-Terphenyl-d14	85.8		30-130		6/9/18 4:08

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

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	6/7/18	6/8/18 19:13	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/7/18	6/8/18 19:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.1	30-150		6/8/18 19:13
Decachlorobiphenyl [2]	90.1	30-150		6/8/18 19:13
Tetrachloro-m-xylene [1]	78.8	30-150		6/8/18 19:13
Tetrachloro-m-xylene [2]	80.8	30-150		6/8/18 19:13

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.099	0.075	mg/L	1		CTDEP ETPH	6/7/18	6/8/18 18:19	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	97.4	50-150				6/8/18 18:19	

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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: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Chromium, Trivalent	0.0		mg/L	1		Tri Chrome Calc.	6/11/18	6/12/18 12:03	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/12/18	6/12/18 15:15	EJB
Selenium	ND	25	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	6/11/18	6/12/18 12:03	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: DUP-1 | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-09

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	6/6/18	6/6/18 22:17	LED

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: Trip Blank | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-10

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	6/7/18	6/8/18 10:59	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Bromomethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0263

Date Received: 6/6/2018

Field Sample #: Trip Blank | Sampled: 6/6/2018 00:00

Sample ID: 18F0263-10

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	6/7/18	6/8/18 10:59	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/7/18	6/8/18 10:59	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.2	70-130		6/8/18 10:59
Toluene-d8	99.9	70-130		6/8/18 10:59
4-Bromofluorobenzene	98.2	70-130		6/8/18 10:59

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

Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-01 [MW-201]	B205195	1000	1.00	06/07/18
18F0263-02 [MW-202]	B205195	1000	1.00	06/07/18
18F0263-03 [MW-203]	B205195	1000	1.00	06/07/18
18F0263-04 [MW-15]	B205195	1000	1.00	06/07/18
18F0263-05 [MW-16]	B205195	1000	1.00	06/07/18
18F0263-06 [MW-CCA2]	B205195	1000	1.00	06/07/18
18F0263-07 [MW-CCA3]	B205195	1000	1.00	06/07/18
18F0263-08 [MW-CCA4]	B205195	1000	1.00	06/07/18
18F0263-09 [DUP-1]	B205195	1000	1.00	06/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205450	50.0	50.0	06/11/18
18F0263-07 [MW-CCA3]	B205450	50.0	50.0	06/11/18
18F0263-08 [MW-CCA4]	B205450	50.0	50.0	06/11/18
18F0263-09 [DUP-1]	B205450	50.0	50.0	06/11/18

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205112	50.0	50.0	06/06/18
18F0263-07 [MW-CCA3]	B205112	50.0	50.0	06/06/18
18F0263-08 [MW-CCA4]	B205112	50.0	50.0	06/06/18
18F0263-09 [DUP-1]	B205112	50.0	50.0	06/06/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205487	6.00	6.00	06/12/18
18F0263-07 [MW-CCA3]	B205487	6.00	6.00	06/12/18
18F0263-08 [MW-CCA4]	B205487	6.00	6.00	06/12/18
18F0263-09 [DUP-1]	B205487	6.00	6.00	06/12/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-01 [MW-201]	B205127	1030	10.0	06/07/18
18F0263-04 [MW-15]	B205127	1000	10.0	06/07/18
18F0263-05 [MW-16]	B205127	1000	10.0	06/07/18
18F0263-06 [MW-CCA2]	B205127	1030	10.0	06/07/18
18F0263-09 [DUP-1]	B205127	1020	10.0	06/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-01 [MW-201]	B205197	5	5.00	06/07/18
18F0263-04 [MW-15]	B205197	5	5.00	06/07/18
18F0263-05 [MW-16]	B205197	5	5.00	06/07/18

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-06 [MW-CCA2]	B205197	5	5.00	06/07/18
18F0263-09 [DUP-1]	B205197	5	5.00	06/07/18
18F0263-10 [Trip Blank]	B205197	5	5.00	06/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205128	1050	1.00	06/07/18
18F0263-07 [MW-CCA3]	B205128	1050	1.00	06/07/18
18F0263-08 [MW-CCA4]	B205128	1050	1.00	06/07/18
18F0263-09 [DUP-1]	B205128	1000	1.00	06/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0263-05 [MW-16]	B205305	1050	1.00	06/07/18
18F0263-07 [MW-CCA3]	B205305	1050	1.00	06/07/18
18F0263-08 [MW-CCA4]	B205305	1050	1.00	06/07/18
18F0263-09 [DUP-1]	B205305	1000	1.00	06/07/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Date
18F0263-05 [MW-16]	B205450	50.0	06/11/18
18F0263-07 [MW-CCA3]	B205450	50.0	06/11/18
18F0263-08 [MW-CCA4]	B205450	50.0	06/11/18
18F0263-09 [DUP-1]	B205450	50.0	06/11/18

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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 B205197 - SW-846 5030B										
Blank (B205197-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
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							V-05
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

con-test® ANALYTICAL LABORATORY
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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 B205197 - SW-846 5030B										
Blank (B205197-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		92.0	70-130			
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.6	70-130			
LCS (B205197-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Acetone	84.0	10	µg/L	100		84.0	70-130			
Acrylonitrile	9.83	2.0	µg/L	10.0		98.3	70-130			
Benzene	9.11	0.50	µg/L	10.0		91.1	70-130			
Bromobenzene	9.95	0.50	µg/L	10.0		99.5	70-130			
Bromodichloromethane	9.15	0.50	µg/L	10.0		91.5	70-130			
Bromoform	9.94	0.50	µg/L	10.0		99.4	70-130			
Bromomethane	8.00	1.0	µg/L	10.0		80.0	70-130			V-05
2-Butanone (MEK)	90.5	5.0	µg/L	100		90.5	70-130			
n-Butylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
sec-Butylbenzene	9.08	1.0	µg/L	10.0		90.8	70-130			
tert-Butylbenzene	9.14	1.0	µg/L	10.0		91.4	70-130			
Carbon Disulfide	96.7	5.0	µg/L	100		96.7	70-130			
Carbon Tetrachloride	8.95	0.50	µg/L	10.0		89.5	70-130			
Chlorobenzene	9.87	0.50	µg/L	10.0		98.7	70-130			
Chlorodibromomethane	9.47	0.50	µg/L	10.0		94.7	70-130			
Chloroethane	9.83	0.50	µg/L	10.0		98.3	70-130			
Chloroform	9.25	0.50	µg/L	10.0		92.5	70-130			
Chloromethane	8.42	0.60	µg/L	10.0		84.2	70-130			
2-Chlorotoluene	9.76	0.50	µg/L	10.0		97.6	70-130			
4-Chlorotoluene	9.57	0.50	µg/L	10.0		95.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.85	2.0	µg/L	10.0		88.5	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	9.39	0.50	µg/L	10.0		93.9	70-130			
1,2-Dichlorobenzene	9.92	0.50	µg/L	10.0		99.2	70-130			
1,3-Dichlorobenzene	9.79	0.50	µg/L	10.0		97.9	70-130			
1,4-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9	70-130			
trans-1,4-Dichloro-2-butene	8.34	2.0	µg/L	10.0		83.4	70-130			
Dichlorodifluoromethane (Freon 12)	7.82	0.50	µg/L	10.0		78.2	70-130			V-34
1,1-Dichloroethane	9.14	0.50	µg/L	10.0		91.4	70-130			
1,2-Dichloroethane	9.30	0.50	µg/L	10.0		93.0	70-130			
1,1-Dichloroethylene	9.29	0.50	µg/L	10.0		92.9	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 B205197 - SW-846 5030B										
LCS (B205197-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
cis-1,2-Dichloroethylene	9.13	0.50	µg/L	10.0		91.3	70-130			
trans-1,2-Dichloroethylene	8.84	1.0	µg/L	10.0		88.4	70-130			
1,2-Dichloropropane	9.89	0.50	µg/L	10.0		98.9	70-130			
1,3-Dichloropropane	9.91	0.50	µg/L	10.0		99.1	70-130			
2,2-Dichloropropane	8.61	0.50	µg/L	10.0		86.1	70-130			
1,1-Dichloropropene	9.29	0.50	µg/L	10.0		92.9	70-130			
cis-1,3-Dichloropropene	9.32	0.50	µg/L	10.0		93.2	70-130			
trans-1,3-Dichloropropene	9.19	0.50	µg/L	10.0		91.9	70-130			
Ethylbenzene	9.65	0.50	µg/L	10.0		96.5	70-130			
Hexachlorobutadiene	11.2	1.0	µg/L	10.0		112	70-130			
2-Hexanone (MBK)	94.5	5.0	µg/L	100		94.5	70-130			
Isopropylbenzene (Cumene)	9.55	0.50	µg/L	10.0		95.5	70-130			
p-Isopropyltoluene (p-Cymene)	9.38	0.50	µg/L	10.0		93.8	70-130			
Methyl tert-Butyl Ether (MTBE)	9.09	0.50	µg/L	10.0		90.9	70-130			
Methylene Chloride	8.13	5.0	µg/L	10.0		81.3	70-130			
4-Methyl-2-pentanone (MIBK)	92.1	5.0	µg/L	100		92.1	70-130			
Naphthalene	8.00	2.0	µg/L	10.0		80.0	70-130			
n-Propylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
Styrene	9.78	1.0	µg/L	10.0		97.8	70-130			
1,1,1,2-Tetrachloroethane	9.99	0.50	µg/L	10.0		99.9	70-130			
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Tetrahydrofuran	8.63	10	µg/L	10.0		86.3	70-130			
Toluene	9.30	1.0	µg/L	10.0		93.0	70-130			
1,2,3-Trichlorobenzene	9.03	1.0	µg/L	10.0		90.3	70-130			
1,2,4-Trichlorobenzene	9.00	0.50	µg/L	10.0		90.0	70-130			
1,1,1-Trichloroethane	8.96	0.50	µg/L	10.0		89.6	70-130			
1,1,2-Trichloroethane	9.86	0.50	µg/L	10.0		98.6	70-130			
Trichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130			
Trichlorofluoromethane (Freon 11)	8.78	2.0	µg/L	10.0		87.8	70-130			
1,2,3-Trichloropropane	11.1	0.50	µg/L	10.0		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	0.50	µg/L	10.0		100	70-130			
1,2,4-Trimethylbenzene	9.07	0.50	µg/L	10.0		90.7	70-130			
1,3,5-Trimethylbenzene	9.45	0.50	µg/L	10.0		94.5	70-130			
Vinyl Chloride	9.56	1.0	µg/L	10.0		95.6	70-130			
m+p Xylene	19.2	2.0	µg/L	20.0		96.0	70-130			
o-Xylene	9.53	1.0	µg/L	10.0		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/L	25.0		90.9	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	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 B205128 - SW-846 3510C										
Blank (B205128-BLK1)				Prepared: 06/07/18 Analyzed: 06/11/18						
Aniline	ND	5.0	µg/L							V-04
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							V-20
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							L-04
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							R-05
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							V-35
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	5.0	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	*91.3*		µg/L	200		45.7	15-110			
Surrogate: Phenol-d6	*66.1*		µg/L	200		33.1	15-110			
Surrogate: Nitrobenzene-d5	*67.8*		µg/L	100		67.8	30-130			
Surrogate: 2-Fluorobiphenyl	*60.8*		µg/L	101		60.2	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 B205128 - SW-846 3510C												
Blank (B205128-BLK1)				Prepared: 06/07/18 Analyzed: 06/11/18								
Surrogate: 2,4,6-Tribromophenol	*182*		µg/L	200		90.9		15-110				
Surrogate: p-Terphenyl-d14	*85.7*		µg/L	101		84.9		30-130				
LCS (B205128-BS1)				Prepared: 06/07/18 Analyzed: 06/11/18								
Aniline	52.2	5.0	µg/L	50.0		104		40-140			V-04	†
Bis(2-chloroethoxy)methane	46.1	10	µg/L	50.0		92.1		40-140				
Bis(2-chloroethyl)ether	41.3	10	µg/L	50.0		82.6		40-140				
Bis(2-chloroisopropyl)ether	55.0	10	µg/L	50.0		110		40-140			V-06	
Bis(2-Ethylhexyl)phthalate	40.7	10	µg/L	50.0		81.4		40-140				
4-Bromophenylphenylether	39.9	10	µg/L	50.0		79.7		40-140				
Butylbenzylphthalate	41.3	10	µg/L	50.0		82.5		40-140				
Carbazole	37.8	10	µg/L	50.0		75.6		40-140				
4-Chloroaniline	35.3	10	µg/L	50.0		70.6		40-140			V-34	†
4-Chloro-3-methylphenol	40.4	10	µg/L	50.0		80.8		30-130				
2-Chloronaphthalene	33.6	10	µg/L	50.0		67.2		40-140				
2-Chlorophenol	38.4	10	µg/L	50.0		76.8		30-130				
4-Chlorophenylphenylether	40.1	10	µg/L	50.0		80.2		40-140				
Dibenzofuran	39.5	5.0	µg/L	50.0		79.0		40-140				
Di-n-butylphthalate	40.2	10	µg/L	50.0		80.5		40-140				
3,3-Dichlorobenzidine	39.1	10	µg/L	51.9		75.4		40-140			V-34	†
2,4-Dichlorophenol	36.1	10	µg/L	50.0		72.2		30-130				
Diethylphthalate	42.5	10	µg/L	50.0		85.0		40-140				
2,4-Dimethylphenol	36.5	10	µg/L	50.0		73.1		30-130				
Dimethylphthalate	45.6	10	µg/L	50.0		91.2		40-140				
4,6-Dinitro-2-methylphenol	37.6	10	µg/L	50.0		75.3		30-130				
2,4-Dinitrophenol	38.2	10	µg/L	50.0		76.5		30-130				
2,4-Dinitrotoluene	40.6	10	µg/L	50.0		81.3		40-140				
2,6-Dinitrotoluene	44.0	10	µg/L	50.0		88.0		40-140				
Di-n-octylphthalate	39.8	10	µg/L	50.0		79.5		40-140				
Hexachlorobenzene	38.8	10	µg/L	50.0		77.5		40-140				
Hexachlorobutadiene	17.5	10	µg/L	50.0		**34.9**	*	40-140			L-04	
Hexachlorocyclopentadiene	22.0	10	µg/L	50.0		44.0		30-140				
Hexachloroethane	21.2	10	µg/L	50.0		42.4		40-140				
Isophorone	45.1	10	µg/L	50.0		90.2		40-140				
2-Methylphenol	41.0	10	µg/L	50.0		82.0		30-130				
3/4-Methylphenol	38.7	10	µg/L	50.0		77.5		30-130				
2-Nitroaniline	52.6	10	µg/L	50.0		105		40-140			R-05	
3-Nitroaniline	42.9	10	µg/L	50.0		85.8		40-140				†
4-Nitroaniline	44.3	10	µg/L	50.0		88.5		40-140				
Nitrobenzene	37.6	10	µg/L	50.0		75.3		40-140				
2-Nitrophenol	34.7	10	µg/L	50.0		69.4		30-130				
4-Nitrophenol	19.6	10	µg/L	50.0		39.3		10-130				
N-Nitrosodiphenylamine	47.4	10	µg/L	50.0		94.7		40-140			V-35	
N-Nitrosodi-n-propylamine	47.8	10	µg/L	50.0		95.5		40-140				
Pentachloronitrobenzene	40.7	10	µg/L	50.0		81.4		40-140			V-16	
Pentachlorophenol	28.2	10	µg/L	50.0		56.3		30-130				
Phenol	19.6	10	µg/L	50.0		39.1		20-130				
Pyridine	19.6	5.0	µg/L	50.0		39.1		10-140				†
1,2,4,5-Tetrachlorobenzene	33.2	10	µg/L	50.0		66.3		40-140				
1,2,4-Trichlorobenzene	22.2	5.0	µg/L	50.0		44.3		40-140				
2,4,5-Trichlorophenol	41.6	10	µg/L	50.0		83.2		30-130				
2,4,6-Trichlorophenol	42.1	10	µg/L	50.0		84.3		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 B205128 - SW-846 3510C													
LCS (B205128-BS1)				Prepared: 06/07/18 Analyzed: 06/11/18									
Surrogate: 2-Fluorophenol	*110*		µg/L	200		54.8		15-110					
Surrogate: Phenol-d6	*80.8*		µg/L	200		40.4		15-110					
Surrogate: Nitrobenzene-d5	*79.8*		µg/L	100		79.8		30-130					
Surrogate: 2-Fluorobiphenyl	*75.8*		µg/L	101		75.1		30-130					
Surrogate: 2,4,6-Tribromophenol	*199*		µg/L	200		99.4		15-110					
Surrogate: p-Terphenyl-d14	*87.8*		µg/L	101		86.9		30-130					
LCS Dup (B205128-BSD1)				Prepared: 06/07/18 Analyzed: 06/11/18									
Aniline	54.9	5.0	µg/L	50.0		110		40-140	5.21		50	V-04	† ‡
Bis(2-chloroethoxy)methane	45.0	10	µg/L	50.0		89.9		40-140	2.46		20		
Bis(2-chloroethyl)ether	43.4	10	µg/L	50.0		86.8		40-140	4.98		20		
Bis(2-chloroisopropyl)ether	57.5	10	µg/L	50.0		115		40-140	4.39		20	V-06	
Bis(2-Ethylhexyl)phthalate	40.5	10	µg/L	50.0		81.0		40-140	0.443		20		
4-Bromophenylphenylether	41.2	10	µg/L	50.0		82.4		40-140	3.26		20		
Butylbenzylphthalate	40.9	10	µg/L	50.0		81.8		40-140	0.876		20		
Carbazole	37.4	10	µg/L	50.0		74.8		40-140	1.04		20		
4-Chloroaniline	34.2	10	µg/L	50.0		68.4		40-140	3.14		20	V-34	†
4-Chloro-3-methylphenol	39.1	10	µg/L	50.0		78.3		30-130	3.12		20		
2-Chloronaphthalene	31.9	10	µg/L	50.0		63.8		40-140	5.13		20		
2-Chlorophenol	40.3	10	µg/L	50.0		80.6		30-130	4.80		20		
4-Chlorophenylphenylether	40.1	10	µg/L	50.0		80.1		40-140	0.125		20		
Dibenzofuran	39.6	5.0	µg/L	50.0		79.1		40-140	0.127		20		
Di-n-butylphthalate	38.9	10	µg/L	50.0		77.7		40-140	3.46		20		
3,3-Dichlorobenzidine	38.0	10	µg/L	51.9		73.3		40-140	2.83		20	V-34	† ‡
2,4-Dichlorophenol	38.1	10	µg/L	50.0		76.2		30-130	5.50		20		
Diethylphthalate	41.2	10	µg/L	50.0		82.4		40-140	3.06		20		
2,4-Dimethylphenol	36.8	10	µg/L	50.0		73.6		30-130	0.763		20		
Dimethylphthalate	42.2	10	µg/L	50.0		84.5		40-140	7.60		50		
4,6-Dinitro-2-methylphenol	38.6	10	µg/L	50.0		77.1		30-130	2.44		50		
2,4-Dinitrophenol	39.0	10	µg/L	50.0		78.0		30-130	1.92		50		
2,4-Dinitrotoluene	39.7	10	µg/L	50.0		79.3		40-140	2.42		20		
2,6-Dinitrotoluene	41.4	10	µg/L	50.0		82.8		40-140	6.07		20		
Di-n-octylphthalate	39.3	10	µg/L	50.0		78.6		40-140	1.16		20		
Hexachlorobenzene	39.8	10	µg/L	50.0		79.5		40-140	2.55		20		
Hexachlorobutadiene	18.2	10	µg/L	50.0		**36.5**	*	40-140	4.42		20	L-04	
Hexachlorocyclopentadiene	22.5	10	µg/L	50.0		45.0		30-140	2.16		50		
Hexachloroethane	22.0	10	µg/L	50.0		44.1		40-140	3.93		50		
Isophorone	41.6	10	µg/L	50.0		83.1		40-140	8.24		20		
2-Methylphenol	43.1	10	µg/L	50.0		86.3		30-130	5.09		20		
3/4-Methylphenol	40.3	10	µg/L	50.0		80.6		30-130	4.02		20		
2-Nitroaniline	42.3	10	µg/L	50.0		84.6		40-140	**21.7**	*	20	R-05	
3-Nitroaniline	41.7	10	µg/L	50.0		83.4		40-140	2.88		20		†
4-Nitroaniline	42.0	10	µg/L	50.0		83.9		40-140	5.36		20		
Nitrobenzene	42.2	10	µg/L	50.0		84.3		40-140	11.4		20		
2-Nitrophenol	36.0	10	µg/L	50.0		71.9		30-130	3.57		20		
4-Nitrophenol	18.3	10	µg/L	50.0		36.6		10-130	7.17		50		‡
N-Nitrosodiphenylamine	48.2	10	µg/L	50.0		96.5		40-140	1.86		20	V-35	
N-Nitrosodi-n-propylamine	49.4	10	µg/L	50.0		98.8		40-140	3.40		20		
Pentachloronitrobenzene	41.5	10	µg/L	50.0		83.0		40-140	1.87		20	V-16	
Pentachlorophenol	28.7	10	µg/L	50.0		57.4		30-130	1.83		50		
Phenol	20.7	10	µg/L	50.0		41.4		20-130	5.57		20		
Pyridine	20.3	5.0	µg/L	50.0		40.7		10-140	3.81		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 B205128 - SW-846 3510C											
LCS Dup (B205128-BSD1)				Prepared: 06/07/18 Analyzed: 06/11/18							
1,2,4,5-Tetrachlorobenzene	33.5	10	µg/L	50.0		67.1		40-140	1.11	20	
1,2,4-Trichlorobenzene	24.0	5.0	µg/L	50.0		48.1		40-140	8.05	20	
2,4,5-Trichlorophenol	41.7	10	µg/L	50.0		83.4		30-130	0.192	20	
2,4,6-Trichlorophenol	41.0	10	µg/L	50.0		82.0		30-130	2.72	50	
Surrogate: 2-Fluorophenol	*116*		µg/L	200		57.8		15-110			
Surrogate: Phenol-d6	*85.3*		µg/L	200		42.6		15-110			
Surrogate: Nitrobenzene-d5	*88.5*		µg/L	100		88.5		30-130			
Surrogate: 2-Fluorobiphenyl	*73.0*		µg/L	101		72.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*194*		µg/L	200		97.1		15-110			
Surrogate: p-Terphenyl-d14	*87.1*		µg/L	101		86.2		30-130			
Batch B205305 - SW-846 3510C											
Blank (B205305-BLK1)				Prepared: 06/07/18 Analyzed: 06/09/18							
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	*132*		µg/L	200		66.0		15-110			
Surrogate: Phenol-d6	*82.0*		µg/L	200		41.0		15-110			
Surrogate: Nitrobenzene-d5	*89.4*		µg/L	100		89.4		30-130			
Surrogate: 2-Fluorobiphenyl	*77.0*		µg/L	101		76.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*242*		µg/L	200		**121**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*80.2*		µg/L	101		79.4		30-130			
LCS (B205305-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18							
Acenaphthene (SIM)	32.4	7.5	µg/L	50.0		64.8		40-140			
Acenaphthylene (SIM)	33.8	7.5	µg/L	50.0		67.6		40-140			
Anthracene (SIM)	36.8	5.0	µg/L	50.0		73.6		40-140			
Benzo(a)anthracene (SIM)	36.2	1.2	µg/L	50.0		72.4		40-140			
Benzo(a)pyrene (SIM)	39.4	2.5	µg/L	50.0		78.7		40-140			
Benzo(b)fluoranthene (SIM)	40.8	1.2	µg/L	50.0		81.6		40-140			
Benzo(g,h,i)perylene (SIM)	40.2	12	µg/L	50.0		80.4		40-140			
Benzo(k)fluoranthene (SIM)	38.0	5.0	µg/L	50.0		76.0		40-140			
Chrysene (SIM)	35.2	5.0	µg/L	50.0		70.3		40-140			
Dibenz(a,h)anthracene (SIM)	42.2	5.0	µg/L	50.0		84.5		40-140			
Fluoranthene (SIM)	34.5	12	µg/L	50.0		69.0		40-140			
Fluorene (SIM)	35.0	25	µg/L	50.0		70.0		40-140			
Indeno(1,2,3-cd)pyrene (SIM)	43.2	5.0	µg/L	50.0		86.4		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205305 - SW-846 3510C										
LCS (B205305-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
2-Methylnaphthalene (SIM)	28.3	25	µg/L	50.0		56.6	40-140			
Naphthalene (SIM)	25.6	25	µg/L	50.0		51.2	40-140			
Pentachlorophenol (SIM)	22.5	12	µg/L	50.0		45.0	40-140			
Phenanthrene (SIM)	35.2	1.2	µg/L	50.0		70.5	40-140			
Pyrene (SIM)	32.6	25	µg/L	50.0		65.1	40-140			
Surrogate: 2-Fluorophenol	*86.3*		µg/L	200		43.2	15-110			
Surrogate: Phenol-d6	*58.0*		µg/L	200		29.0	15-110			
Surrogate: Nitrobenzene-d5	*64.3*		µg/L	100		64.3	30-130			
Surrogate: 2-Fluorobiphenyl	*56.6*		µg/L	101		56.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*118*		µg/L	200		59.2	15-110			
Surrogate: p-Terphenyl-d14	*51.2*		µg/L	101		50.7	30-130			
LCS Dup (B205305-BSD1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Acenaphthene (SIM)	35.6	7.5	µg/L	50.0		71.2	40-140	9.56	20	
Acenaphthylene (SIM)	37.3	7.5	µg/L	50.0		74.6	40-140	9.99	20	
Anthracene (SIM)	39.6	5.0	µg/L	50.0		79.2	40-140	7.33	20	
Benzo(a)anthracene (SIM)	38.7	1.2	µg/L	50.0		77.4	40-140	6.81	20	
Benzo(a)pyrene (SIM)	42.0	2.5	µg/L	50.0		84.0	40-140	6.52	20	
Benzo(b)fluoranthene (SIM)	43.7	1.2	µg/L	50.0		87.4	40-140	6.98	20	
Benzo(g,h,i)perylene (SIM)	42.7	12	µg/L	50.0		85.4	40-140	6.09	20	
Benzo(k)fluoranthene (SIM)	40.8	5.0	µg/L	50.0		81.6	40-140	7.23	20	
Chrysene (SIM)	37.3	5.0	µg/L	50.0		74.6	40-140	5.87	20	
Dibenz(a,h)anthracene (SIM)	45.2	5.0	µg/L	50.0		90.4	40-140	6.75	20	
Fluoranthene (SIM)	37.3	12	µg/L	50.0		74.6	40-140	7.80	20	
Fluorene (SIM)	38.7	25	µg/L	50.0		77.4	40-140	10.0	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.0	5.0	µg/L	50.0		92.1	40-140	6.44	20	‡
2-Methylnaphthalene (SIM)	31.5	25	µg/L	50.0		63.0	40-140	10.7	20	
Naphthalene (SIM)	28.6	25	µg/L	50.0		57.2	40-140	11.1	20	
Pentachlorophenol (SIM)	25.5	12	µg/L	50.0		51.0	40-140	12.6	20	
Phenanthrene (SIM)	38.1	1.2	µg/L	50.0		76.2	40-140	7.77	20	
Pyrene (SIM)	34.8	25	µg/L	50.0		69.5	40-140	6.54	20	
Surrogate: 2-Fluorophenol	*92.2*		µg/L	200		46.1	15-110			
Surrogate: Phenol-d6	*66.0*		µg/L	200		33.0	15-110			
Surrogate: Nitrobenzene-d5	*73.2*		µg/L	100		73.2	30-130			
Surrogate: 2-Fluorobiphenyl	*64.3*		µg/L	101		63.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*142*		µg/L	200		71.0	15-110			
Surrogate: p-Terphenyl-d14	*56.6*		µg/L	101		56.0	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 B205127 - SW-846 3510C										
Blank (B205127-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*1.44*		µg/L	2.00		72.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.68*		µg/L	2.00		83.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.41*		µg/L	2.00		70.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.45*		µg/L	2.00		72.7	30-150			
LCS (B205127-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Aroclor-1016	0.37	0.20	µg/L	0.500		73.4	40-140			
Aroclor-1016 [2C]	0.38	0.20	µg/L	0.500		76.8	40-140			
Aroclor-1260	0.36	0.20	µg/L	0.500		72.0	40-140			
Aroclor-1260 [2C]	0.39	0.20	µg/L	0.500		78.2	40-140			
Surrogate: Decachlorobiphenyl	*1.42*		µg/L	2.00		70.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.57*		µg/L	2.00		78.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.32*		µg/L	2.00		66.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.32*		µg/L	2.00		65.8	30-150			
LCS Dup (B205127-BSD1)				Prepared: 06/07/18 Analyzed: 06/08/18						
Aroclor-1016	0.40	0.20	µg/L	0.500		80.2	40-140	8.82	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		85.0	40-140	10.2	20	
Aroclor-1260	0.39	0.20	µg/L	0.500		77.0	40-140	6.78	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		87.2	40-140	10.9	20	
Surrogate: Decachlorobiphenyl	*1.50*		µg/L	2.00		74.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.68*		µg/L	2.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.47*		µg/L	2.00		73.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.49*		µg/L	2.00		74.5	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 B205195 - SW-846 3510C										
Blank (B205195-BLK1)				Prepared: 06/07/18 Analyzed: 06/08/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0930*		mg/L	0.100		93.0	50-150			
LCS (B205195-BS1)				Prepared: 06/07/18 Analyzed: 06/08/18						
CT ETPH	0.784	0.075	mg/L	1.00		78.4	60-120			
Surrogate: 2-Fluorobiphenyl	*0.101*		mg/L	0.100		101	50-150			
LCS Dup (B205195-BSD1)				Prepared: 06/07/18 Analyzed: 06/08/18						
CT ETPH	0.780	0.075	mg/L	1.00		78.0	60-120	0.606	30	
Surrogate: 2-Fluorobiphenyl	*0.0980*		mg/L	0.100		98.0	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 B205450 - SW-846 3005A										
Blank (B205450-BLK1)				Prepared: 06/11/18 Analyzed: 06/12/18						
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 (B205450-BS1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	537	4.0	µg/L	500		107	80-120			
Barium	538	100	µg/L	500		108	80-120			
Cadmium	544	5.0	µg/L	500		109	80-120			
Chromium	542	10	µg/L	500		108	80-120			
Copper	1050	50	µg/L	1000		105	80-120			
Lead	529	10	µg/L	500		106	80-120			
Selenium	539	50	µg/L	500		108	80-120			
Silver	523	5.0	µg/L	500		105	80-120			
LCS Dup (B205450-BSD1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	543	4.0	µg/L	500		109	80-120	1.05	20	
Barium	532	100	µg/L	500		106	80-120	1.15	20	
Cadmium	544	5.0	µg/L	500		109	80-120	0.0326	20	
Chromium	543	10	µg/L	500		109	80-120	0.208	20	
Copper	1040	50	µg/L	1000		104	80-120	0.581	20	
Lead	536	10	µg/L	500		107	80-120	1.39	20	
Selenium	547	50	µg/L	500		109	80-120	1.49	20	
Silver	524	5.0	µg/L	500		105	80-120	0.0720	20	
Duplicate (B205450-DUP1)	**Source: 18F0263-05**			Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	ND	2.0	µg/L		ND			NC	20	
Barium	ND	50	µg/L		ND			NC	20	
Cadmium	ND	2.5	µg/L		ND			NC	20	
Chromium	ND	5.0	µg/L		ND			NC	20	
Copper	ND	25	µg/L		ND			NC	20	
Lead	ND	5.0	µg/L		ND			NC	20	
Selenium	ND	25	µg/L		ND			NC	20	
Silver	ND	2.5	µg/L		ND			NC	20	
Matrix Spike (B205450-MS1)	**Source: 18F0263-05**			Prepared: 06/11/18 Analyzed: 06/12/18						
Arsenic	546	4.0	µg/L	500	ND	109	75-125			
Barium	553	100	µg/L	500	ND	111	75-125			
Cadmium	548	5.0	µg/L	500	ND	110	75-125			
Chromium	542	10	µg/L	500	ND	108	75-125			
Copper	1050	50	µg/L	1000	ND	105	75-125			
Lead	539	10	µg/L	500	ND	108	75-125			
Selenium	547	50	µg/L	500	ND	109	75-125			
Silver	460	5.0	µg/L	500	ND	92.0	75-125			

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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 B205487 - SW-846 7470A Prep										
Blank (B205487-BLK1)				Prepared & Analyzed: 06/12/18						
Mercury	ND	0.00010	mg/L							
LCS (B205487-BS1)				Prepared & Analyzed: 06/12/18						
Mercury	0.00195	0.00010	mg/L	0.00200		97.6	80-120			
LCS Dup (B205487-BSD1)				Prepared & Analyzed: 06/12/18						
Mercury	0.00196	0.00010	mg/L	0.00200		97.8	80-120	0.213	20	
Duplicate (B205487-DUP1)		**Source: 18F0263-07**		Prepared & Analyzed: 06/12/18						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B205487-MS1)		**Source: 18F0263-07**		Prepared & Analyzed: 06/12/18						
Mercury	0.00191	0.00010	mg/L	0.00200	ND	95.4	75-125			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205112 - SW-846 7196A										
Blank (B205112-BLK1)				Prepared & Analyzed: 06/06/18						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B205112-BS1)				Prepared & Analyzed: 06/06/18						
Hexavalent Chromium	0.094	0.0040	mg/L	0.100		93.7	80-120			
LCS Dup (B205112-BSD1)				Prepared & Analyzed: 06/06/18						
Hexavalent Chromium	0.096	0.0040	mg/L	0.100		96.3	80-120	2.72	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B205127-BS1 Date(s) Analyzed: 06/08/2018 06/08/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.37	
	2	0.000	0.000	0.000	0.38	2.7
Aroclor-1260	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.39	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B205127-BSD1 Date(s) Analyzed: 06/08/2018 06/08/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.40	
	2	0.000	0.000	0.000	0.43	7.2
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.44	12.0

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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-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
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-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-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-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020A-B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 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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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
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

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 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

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	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2018

18F0263

con-test ANALYTICAL LABORATORY

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	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
01	MW-201	6/6/18	1115		X	GW	U	X	X	X			
02	MW-202		1220							X			
03	MW-203		1300							X			
04	MW-15		1245					X	X	X			
05	MW-16		900					X	X	X	X	X	X
06	MW-CCA2		1100					X	X	X			
07	MW-CCA3		925							X	X	X	X
08	MW-CCA4		1025							X	X	X	X
09	DUP-1		—					X	X	X	X	X	X
10	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.

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

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

Relinquished by: (signature)	Date/Time:
[signature] 6/6/18	
Received by: (signature)	Date/Time:
Tom Mari 6/6/18 1730	
Relinquished by: (signature)	Date/Time:
Tom Mari 6/6/18 1835	
Received by: (signature)	Date/Time:
Sam Sinjo 3.1, 3.8, 5.8	6/6/18 18:35
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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client W+S

Received By SE Date 6/6/18 Time 18:35

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

Direct from Sampling ____ Ambient ____ Melted Ice ____

By Gun # 577 Actual Temp - 3.1, 3.8, 5.8

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

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? T Who was notified? Luke

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	36	1 Liter Plastic		16 oz Amb.	
HCL-	17	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	8	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

X:\HPCHEM\1\DATA\A060818.SEC\A0608015.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0608015.D
Data File Path	X:\HPCHEM\1\DATA\A060818.SEC\
Operator	RMW
Date Acquired	6/8/2018 1:32
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	651274	655222	1
c - 10	1.58	665785	655222	-2
c - 12	2.30	676528	655222	-3
c - 14	2.96	682851	655222	-4
c - 16	3.56	687645	655222	-5
c - 18	4.16	685498	655222	-5
c - 20	4.77	687386	655222	-5
c - 22	5.28	687272	655222	-5
c - 24	5.72	679231	655222	-4
c - 26	6.11	672219	655222	-3
c - 28	6.47	669442	655222	-2
c - 30	6.80	666248	655222	-2
c - 32	7.11	619013	655222	6
c - 34	7.40	566884	655222	13
c - 36	7.70	531057	655222	19

Samples

18F0006-07
18F0006-08
18F0006-09
18F0006-10
18F0006-16
18F0006-06
18F0006-02@5X
18F0006-12@100X

*One compound allowed %D </=50%

X:\HPCHEM\1\DATA\A060818\A0608018.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0608018.D
Data File Path	X:\HPCHEM\1\DATA\A060818\
Date Acquired	6/8/2018 1:50
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.20	566894	603764	6
c - 10	1.54	581846	603764	4
c - 12	2.26	605791	603764	0
c - 14	2.93	630393	603764	-4
c - 16	3.53	648787	603764	-7
c - 18	4.12	652991	603764	-8
c - 20	4.74	656100	603764	-9
c - 22	5.25	653497	603764	-8
c - 24	5.69	640102	603764	-6
c - 26	6.08	626078	603764	-4
c - 28	6.44	616457	603764	-2
c - 30	6.77	608530	603764	-1
c - 32	7.08	564209	603764	7
c - 34	7.37	518253	603764	14
c - 36	7.66	486539	603764	19

*One compound allowed %D </=50%

Samples

18F0263-01
18F0263-03
18F0263-04
18F0263-05
18F0263-06
18F0263-07
18F0263-08
18F0263-09
18F0265-02
18F0265-04
18F0265-03
18F0265-01
18F0263-02

X:\HPCHEM\1\DATA\A060818\A0608084.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0608084.D
Data File Path	X:\HPCHEM\1\DATA\A060818\
Date Acquired	6/8/2018 11:39
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.20	600942	643344	7
c - 10	1.54	617986	643344	4
c - 12	2.26	641306	643344	0
c - 14	2.93	666634	643344	-4
c - 16	3.53	686504	643344	-7
c - 18	4.12	691787	643344	-8
c - 20	4.74	696164	643344	-8
c - 22	5.25	695759	643344	-8
c - 24	5.69	683336	643344	-6
c - 26	6.08	670500	643344	-4
c - 28	6.44	661786	643344	-3
c - 30	6.77	653936	643344	-2
c - 32	7.08	606024	643344	6
c - 34	7.37	556012	643344	14
c - 36	7.66	521488	643344	19

*One compound allowed %D </=50%

Samples
18F0276-01
18F0276-02
18F0276-04
18F0276-05
18F0276-07

X:\HPCHEM\1\DATA\A060918\A0609006.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0609006.D
Data File Path	X:\HPCHEM\1\DATA\A060918\
Date Acquired	6/9/2018 3:50
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.20	600860	648807	7
c - 10	1.54	616791	648807	5
c - 12	2.26	643645	648807	1
c - 14	2.93	670742	648807	-3
c - 16	3.53	691697	648807	-7
c - 18	4.12	698148	648807	-8
c - 20	4.74	703623	648807	-8
c - 22	5.25	704486	648807	-9
c - 24	5.69	693594	648807	-7
c - 26	6.08	681596	648807	-5
c - 28	6.43	672538	648807	-4
c - 30	6.76	662567	648807	-2
c - 32	7.07	610825	648807	6
c - 34	7.36	558531	648807	14
c - 36	7.66	522462	648807	19

Samples

18F0273-05
18F0273-30
18F0273-12
18F0273-26

*One compound allowed %D </=50%

X:\HPCHEM\1\DATA\A060918.SEC\A0609007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0609007.D
Data File Path	X:\HPCHEM\1\DATA\A060918.SEC\
Operator	RMW
Date Acquired	6/9/2018 4:08
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	584272	593679	2
c - 10	1.58	595486	593679	0
c - 12	2.30	606008	593679	-2
c - 14	2.96	616377	593679	-4
c - 16	3.56	624528	593679	-5
c - 18	4.16	623732	593679	-5
c - 20	4.77	626303	593679	-5
c - 22	5.28	626252	593679	-5
c - 24	5.72	618088	593679	-4
c - 26	6.11	610989	593679	-3
c - 28	6.47	608013	593679	-2
c - 30	6.80	604578	593679	-2
c - 32	7.11	561571	593679	5
c - 34	7.40	515460	593679	13
c - 36	7.70	483528	593679	19

*One compound allowed %D </=50%

Samples
18F0273-11
18F0273-18
18F0273-13
18F0273-25
18F0273-27
18F0273-14@10X

X:\HPCHEM\1\DATA\A060918.SEC\A0609051.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0609051.D
Data File Path	X:\HPCHEM\1\DATA\A060918.SEC\
Operator	RMW
Date Acquired	6/9/2018 10:36
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.22	592148	602750	2
c - 10	1.58	603566	602750	0
c - 12	2.30	614263	602750	-2
c - 14	2.96	625753	602750	-4
c - 16	3.56	634159	602750	-5
c - 18	4.16	633120	602750	-5
c - 20	4.77	635575	602750	-5
c - 22	5.28	635781	602750	-5
c - 24	5.72	627562	602750	-4
c - 26	6.11	620522	602750	-3
c - 28	6.47	618574	602750	-3
c - 30	6.80	614476	602750	-2
c - 32	7.11	571002	602750	5
c - 34	7.40	523760	602750	13
c - 36	7.70	490997	602750	19

Samples
18F0006-19@SPLP

*One compound allowed %D </=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18F0263

Laboratory Sample ID(s):

18F0263-01 thru 18F0263-10

Sample Date(s):

06/06/2018

List RCP Methods Used:

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

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

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

Lisa A. Worthington

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

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

Printed Name: Lisa A. Worthington **Date:** 06/13/18

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

June 15, 2018

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18F0389

Enclosed are results of analyses for samples received by the laboratory on June 8, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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

REPORT DATE: 6/15/2018

PURCHASE ORDER NUMBER: 10227659

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18F0389

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-200	18F0389-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
CCA-5	18F0389-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8260C	
MW-AIR1	18F0389-03	Ground Water		SW-846 8270D	
Trip Blank	18F0389-04	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

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

SW-846 8260C

Qualifications:

V-34

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
B205491-BS1, S024203-CCV1

SW-846 8270D

Qualifications:

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
18F0389-03[MW-AIR1], B205727-BLK1

Phenol-d6
B205570-BSD1

V-04

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

Analyte & Samples(s) Qualified:

Aniline
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

V-06

Continuing calibration 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
B205570-BS1, B205570-BSD1

Aniline
B205570-BS1, B205570-BSD1

Bis(2-chloroisopropyl)ether
B205570-BS1, B205570-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
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

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:

2-Nitroaniline
18F0389-03[MW-AIR1], B205570-BLK1

Aniline
18F0389-03[MW-AIR1], B205570-BLK1

Bis(2-chloroisopropyl)ether
18F0389-03[MW-AIR1], B205570-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:

3,3-Dichlorobenzidine
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

4-Chloroaniline
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

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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:

N-Nitrosodiphenylamine
18F0389-03[MW-AIR1], B205570-BLK1, B205570-BS1, B205570-BSD1

SW-846 8260C

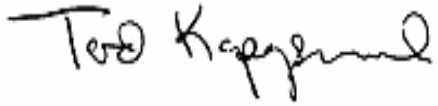
All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

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	6/12/18	6/12/18 11:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.5	70-130		6/12/18 11:02
Toluene-d8	99.0	70-130		6/12/18 11:02
4-Bromofluorobenzene	97.8	70-130		6/12/18 11:02

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

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	6/11/18	6/12/18 18:52	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 18:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.0	30-150		6/12/18 18:52
Decachlorobiphenyl [2]	76.1	30-150		6/12/18 18:52
Tetrachloro-m-xylene [1]	72.4	30-150		6/12/18 18:52
Tetrachloro-m-xylene [2]	74.8	30-150		6/12/18 18:52

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-200 | Sampled: 6/7/2018 10:00

Sample ID: 18F0389-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.072	mg/L	1		CTDEP ETPH	6/12/18	6/13/18 13:10	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	103	50-150				6/13/18 13:10	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

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	6/12/18	6/12/18 11:32	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 11:32	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.0	70-130		6/12/18 11:32
Toluene-d8	99.0	70-130		6/12/18 11:32
4-Bromofluorobenzene	99.6	70-130		6/12/18 11:32

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: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

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	6/11/18	6/12/18 19:10	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	6/11/18	6/12/18 19:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.4	30-150		6/12/18 19:10
Decachlorobiphenyl [2]	70.8	30-150		6/12/18 19:10
Tetrachloro-m-xylene [1]	68.7	30-150		6/12/18 19:10
Tetrachloro-m-xylene [2]	71.7	30-150		6/12/18 19:10

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: CCA-5 | Sampled: 6/7/2018 11:00

Sample ID: 18F0389-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.093	0.075	mg/L	1		CTDEP ETPH	6/12/18	6/13/18 13:28	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	101	50-150				6/13/18 13:28	

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: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-AIR1 | Sampled: 6/7/2018 12:30

Sample ID: 18F0389-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Aniline	ND	5.0	µg/L	1	V-04, V-20	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	V-20	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Carbazole	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR

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: 18F0389

Date Received: 6/8/2018

Field Sample #: MW-AIR1 | Sampled: 6/7/2018 12:30

Sample ID: 18F0389-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
2-Nitroaniline	ND	10	µg/L	1	V-20	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
N-Nitrosodiphenylamine	ND	10	µg/L	1	V-35	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 12:10	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	6/13/18	6/14/18 13:08	CDT

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	51.2		15-110		6/14/18 12:10
2-Fluorophenol	62.3		15-110		6/14/18 13:08
Phenol-d6	44.9		15-110		6/14/18 13:08
Phenol-d6	46.8		15-110		6/14/18 12:10
Nitrobenzene-d5	90.9		30-130		6/14/18 13:08
Nitrobenzene-d5	100		30-130		6/14/18 12:10
2-Fluorobiphenyl	86.8		30-130		6/14/18 12:10
2-Fluorobiphenyl	77.1		30-130		6/14/18 13:08
2,4,6-Tribromophenol	**130**	*	15-110	S-07	6/14/18 12:10
2,4,6-Tribromophenol	92.6		15-110		6/14/18 13:08
p-Terphenyl-d14	91.1		30-130		6/14/18 13:08
p-Terphenyl-d14	90.8		30-130		6/14/18 12:10

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: Trip Blank | Sampled: 6/7/2018 00:00

Sample ID: 18F0389-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 18F0389

Date Received: 6/8/2018

Field Sample #: Trip Blank | Sampled: 6/7/2018 00:00

Sample ID: 18F0389-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	6/12/18	6/12/18 10:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.0	70-130		6/12/18 10:00
Toluene-d8	99.8	70-130		6/12/18 10:00
4-Bromofluorobenzene	99.9	70-130		6/12/18 10:00

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-01 [MW-200]	B205476	1040	1.00	06/12/18
18F0389-02 [CCA-5]	B205476	1000	1.00	06/12/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-01 [MW-200]	B205373	1000	10.0	06/11/18
18F0389-02 [CCA-5]	B205373	1020	10.0	06/11/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-01 [MW-200]	B205491	5	5.00	06/12/18
18F0389-02 [CCA-5]	B205491	5	5.00	06/12/18
18F0389-04 [Trip Blank]	B205491	5	5.00	06/12/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-03 [MW-AIR1]	B205570	1000	1.00	06/13/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18F0389-03 [MW-AIR1]	B205727	1000	1.00	06/13/18

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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 B205491 - SW-846 5030B										
Blank (B205491-BLK1)				Prepared & Analyzed: 06/12/18						
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	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205491 - SW-846 5030B										
Blank (B205491-BLK1)				Prepared & Analyzed: 06/12/18						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.6	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.1	70-130			
LCS (B205491-BS1)				Prepared & Analyzed: 06/12/18						
Acetone	87.5	10	µg/L	100		87.5	70-130			
Acrylonitrile	10.3	2.0	µg/L	10.0		103	70-130			
Benzene	9.74	0.50	µg/L	10.0		97.4	70-130			
Bromobenzene	9.83	0.50	µg/L	10.0		98.3	70-130			
Bromodichloromethane	9.35	0.50	µg/L	10.0		93.5	70-130			
Bromoform	9.82	0.50	µg/L	10.0		98.2	70-130			
Bromomethane	9.49	1.0	µg/L	10.0		94.9	70-130			
2-Butanone (MEK)	93.8	5.0	µg/L	100		93.8	70-130			
n-Butylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130			
sec-Butylbenzene	9.18	1.0	µg/L	10.0		91.8	70-130			
tert-Butylbenzene	9.39	1.0	µg/L	10.0		93.9	70-130			
Carbon Disulfide	113	5.0	µg/L	100		113	70-130			
Carbon Tetrachloride	9.81	0.50	µg/L	10.0		98.1	70-130			
Chlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
Chlorodibromomethane	9.84	0.50	µg/L	10.0		98.4	70-130			
Chloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroform	9.87	0.50	µg/L	10.0		98.7	70-130			
Chloromethane	9.38	0.60	µg/L	10.0		93.8	70-130			
2-Chlorotoluene	9.65	0.50	µg/L	10.0		96.5	70-130			
4-Chlorotoluene	9.65	0.50	µg/L	10.0		96.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.11	2.0	µg/L	10.0		91.1	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	9.93	0.50	µg/L	10.0		99.3	70-130			
1,2-Dichlorobenzene	9.82	0.50	µg/L	10.0		98.2	70-130			
1,3-Dichlorobenzene	9.94	0.50	µg/L	10.0		99.4	70-130			
1,4-Dichlorobenzene	9.96	0.50	µg/L	10.0		99.6	70-130			
trans-1,4-Dichloro-2-butene	8.61	2.0	µg/L	10.0		86.1	70-130			
Dichlorodifluoromethane (Freon 12)	9.49	0.50	µg/L	10.0		94.9	70-130			V-34
1,1-Dichloroethane	9.91	0.50	µg/L	10.0		99.1	70-130			
1,2-Dichloroethane	9.53	0.50	µg/L	10.0		95.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205491 - SW-846 5030B										
LCS (B205491-BS1)				Prepared & Analyzed: 06/12/18						
1,1-Dichloroethylene	10.1	0.50	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	9.56	0.50	µg/L	10.0		95.6	70-130			
trans-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
2,2-Dichloropropane	8.96	0.50	µg/L	10.0		89.6	70-130			
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	9.97	0.50	µg/L	10.0		99.7	70-130			
trans-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130			
Ethylbenzene	9.82	0.50	µg/L	10.0		98.2	70-130			
Hexachlorobutadiene	11.5	1.0	µg/L	10.0		115	70-130			
2-Hexanone (MBK)	96.7	5.0	µg/L	100		96.7	70-130			
Isopropylbenzene (Cumene)	9.57	0.50	µg/L	10.0		95.7	70-130			
p-Isopropyltoluene (p-Cymene)	9.48	0.50	µg/L	10.0		94.8	70-130			
Methyl tert-Butyl Ether (MTBE)	9.62	0.50	µg/L	10.0		96.2	70-130			
Methylene Chloride	8.82	5.0	µg/L	10.0		88.2	70-130			
4-Methyl-2-pentanone (MIBK)	95.6	5.0	µg/L	100		95.6	70-130			
Naphthalene	8.11	2.0	µg/L	10.0		81.1	70-130			
n-Propylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130			
Styrene	9.92	1.0	µg/L	10.0		99.2	70-130			
1,1,1,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Tetrahydrofuran	9.10	10	µg/L	10.0		91.0	70-130			
Toluene	10.0	1.0	µg/L	10.0		100	70-130			
1,2,3-Trichlorobenzene	9.06	1.0	µg/L	10.0		90.6	70-130			
1,2,4-Trichlorobenzene	8.93	0.50	µg/L	10.0		89.3	70-130			
1,1,1-Trichloroethane	9.46	0.50	µg/L	10.0		94.6	70-130			
1,1,2-Trichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130			
1,2,3-Trichloropropane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	0.50	µg/L	10.0		110	70-130			
1,2,4-Trimethylbenzene	9.34	0.50	µg/L	10.0		93.4	70-130			
1,3,5-Trimethylbenzene	9.41	0.50	µg/L	10.0		94.1	70-130			
Vinyl Chloride	11.0	1.0	µg/L	10.0		110	70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.78	1.0	µg/L	10.0		97.8	70-130			
Xylenes (total)	29.4	3.0	µg/L				0-200			
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		89.8	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	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 B205570 - SW-846 3510C										
Blank (B205570-BLK1)				Prepared: 06/13/18 Analyzed: 06/14/18						
Aniline	ND	5.0	µg/L							V-04, V-20
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							V-20
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							V-34
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							V-20
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							V-35
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	*172*		µg/L	200		86.0	15-110			
Surrogate: Phenol-d6	*190*		µg/L	200		94.8	15-110			
Surrogate: Nitrobenzene-d5	*91.0*		µg/L	100		91.0	30-130			
Surrogate: 2-Fluorobiphenyl	*75.9*		µg/L	101		75.1	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 B205570 - SW-846 3510C											
Blank (B205570-BLK1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Surrogate: 2,4,6-Tribromophenol	*175*		µg/L	200		87.3	15-110				
Surrogate: p-Terphenyl-d14	*86.9*		µg/L	101		86.0	30-130				
LCS (B205570-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Aniline	58.0	5.0	µg/L	50.0		116	40-140			V-04, V-06	†
Bis(2-chloroethoxy)methane	47.5	10	µg/L	50.0		95.0	40-140				
Bis(2-chloroethyl)ether	42.5	10	µg/L	50.0		85.0	40-140				
Bis(2-chloroisopropyl)ether	59.5	10	µg/L	50.0		119	40-140			V-06	
Bis(2-Ethylhexyl)phthalate	40.4	10	µg/L	50.0		80.9	40-140				
4-Bromophenylphenylether	37.3	10	µg/L	50.0		74.7	40-140				
Butylbenzylphthalate	43.4	10	µg/L	50.0		86.8	40-140				
Carbazole	39.1	10	µg/L	50.0		78.2	40-140				
4-Chloroaniline	37.9	10	µg/L	50.0		75.7	40-140			V-34	†
4-Chloro-3-methylphenol	40.9	10	µg/L	50.0		81.8	30-130				
2-Chloronaphthalene	36.1	10	µg/L	50.0		72.2	40-140				
2-Chlorophenol	39.6	10	µg/L	50.0		79.3	30-130				
4-Chlorophenylphenylether	39.0	10	µg/L	50.0		78.1	40-140				
Dibenzofuran	42.1	5.0	µg/L	50.0		84.2	40-140				
Di-n-butylphthalate	39.6	10	µg/L	50.0		79.3	40-140				
3,3-Dichlorobenzidine	37.6	10	µg/L	50.0		75.1	40-140			V-34	†
2,4-Dichlorophenol	37.8	10	µg/L	50.0		75.6	30-130				
Diethylphthalate	41.2	10	µg/L	50.0		82.4	40-140				
2,4-Dimethylphenol	40.8	10	µg/L	50.0		81.5	30-130				
Dimethylphthalate	41.3	10	µg/L	50.0		82.5	40-140				
4,6-Dinitro-2-methylphenol	37.0	10	µg/L	50.0		74.0	30-130				
2,4-Dinitrophenol	35.2	10	µg/L	50.0		70.5	30-130				
2,4-Dinitrotoluene	39.5	10	µg/L	50.0		79.0	40-140				
2,6-Dinitrotoluene	41.9	10	µg/L	50.0		83.7	40-140				
Di-n-octylphthalate	40.3	10	µg/L	50.0		80.6	40-140				
Hexachlorobenzene	35.6	10	µg/L	50.0		71.2	40-140				
Hexachlorobutadiene	32.7	10	µg/L	50.0		65.4	40-140				
Hexachlorocyclopentadiene	34.4	10	µg/L	50.0		68.7	30-140				
Hexachloroethane	38.5	10	µg/L	50.0		77.0	40-140				
Isophorone	46.1	10	µg/L	50.0		92.2	40-140				
2-Methylphenol	43.6	10	µg/L	50.0		87.2	30-130				
3/4-Methylphenol	45.4	10	µg/L	50.0		90.8	30-130				
2-Nitroaniline	52.4	10	µg/L	50.0		105	40-140			V-06	
3-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140				†
4-Nitroaniline	43.7	10	µg/L	50.0		87.4	40-140				
Nitrobenzene	43.6	10	µg/L	50.0		87.1	40-140				
2-Nitrophenol	37.4	10	µg/L	50.0		74.8	30-130				
4-Nitrophenol	45.6	10	µg/L	50.0		91.3	10-130				
N-Nitrosodiphenylamine	49.0	10	µg/L	50.0		97.9	40-140			V-35	
N-Nitrosodi-n-propylamine	47.5	10	µg/L	50.0		95.1	40-140				
Pentachloronitrobenzene	37.1	10	µg/L	50.0		74.2	40-140			V-16	
Pentachlorophenol	29.0	10	µg/L	50.0		58.0	30-130				
Phenol	46.0	10	µg/L	50.0		91.9	20-130				
Pyridine	34.5	5.0	µg/L	50.0		69.1	10-140				†
1,2,4,5-Tetrachlorobenzene	38.4	10	µg/L	50.0		76.9	40-140				
1,2,4-Trichlorobenzene	33.9	5.0	µg/L	50.0		67.7	40-140				
2,4,5-Trichlorophenol	39.7	10	µg/L	50.0		79.3	30-130				
2,4,6-Trichlorophenol	39.8	10	µg/L	50.0		79.6	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 B205570 - SW-846 3510C											
LCS (B205570-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Surrogate: 2-Fluorophenol	*177*		µg/L	200		88.7	15-110				
Surrogate: Phenol-d6	*199*		µg/L	200		99.4	15-110				
Surrogate: Nitrobenzene-d5	*91.6*		µg/L	100		91.6	30-130				
Surrogate: 2-Fluorobiphenyl	*77.7*		µg/L	101		77.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*180*		µg/L	200		90.0	15-110				
Surrogate: p-Terphenyl-d14	*85.0*		µg/L	101		84.1	30-130				
LCS Dup (B205570-BSD1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Aniline	69.2	5.0	µg/L	50.0		138	40-140	17.5	50	V-04, V-06	† ‡
Bis(2-chloroethoxy)methane	53.3	10	µg/L	50.0		107	40-140	11.5	20		
Bis(2-chloroethyl)ether	49.5	10	µg/L	50.0		99.0	40-140	15.2	20		
Bis(2-chloroisopropyl)ether	69.8	10	µg/L	50.0		140	40-140	15.8	20	V-06	
Bis(2-Ethylhexyl)phthalate	46.4	10	µg/L	50.0		92.7	40-140	13.7	20		
4-Bromophenylphenylether	43.6	10	µg/L	50.0		87.1	40-140	15.4	20		
Butylbenzylphthalate	49.8	10	µg/L	50.0		99.5	40-140	13.7	20		
Carbazole	45.6	10	µg/L	50.0		91.3	40-140	15.4	20		
4-Chloroaniline	44.6	10	µg/L	50.0		89.2	40-140	16.4	20	V-34	†
4-Chloro-3-methylphenol	47.3	10	µg/L	50.0		94.6	30-130	14.5	20		
2-Chloronaphthalene	41.3	10	µg/L	50.0		82.7	40-140	13.5	20		
2-Chlorophenol	46.9	10	µg/L	50.0		93.8	30-130	16.7	20		
4-Chlorophenylphenylether	44.8	10	µg/L	50.0		89.6	40-140	13.8	20		
Dibenzofuran	48.2	5.0	µg/L	50.0		96.4	40-140	13.4	20		
Di-n-butylphthalate	45.9	10	µg/L	50.0		91.9	40-140	14.7	20		
3,3-Dichlorobenzidine	44.0	10	µg/L	50.0		88.0	40-140	15.8	20	V-34	† ‡
2,4-Dichlorophenol	42.8	10	µg/L	50.0		85.7	30-130	12.6	20		
Diethylphthalate	47.2	10	µg/L	50.0		94.5	40-140	13.7	20		
2,4-Dimethylphenol	47.2	10	µg/L	50.0		94.5	30-130	14.7	20		
Dimethylphthalate	47.0	10	µg/L	50.0		93.9	40-140	12.9	50		
4,6-Dinitro-2-methylphenol	43.2	10	µg/L	50.0		86.4	30-130	15.6	50		
2,4-Dinitrophenol	41.2	10	µg/L	50.0		82.4	30-130	15.6	50		
2,4-Dinitrotoluene	46.0	10	µg/L	50.0		91.9	40-140	15.1	20		
2,6-Dinitrotoluene	47.2	10	µg/L	50.0		94.4	40-140	11.9	20		
Di-n-octylphthalate	46.3	10	µg/L	50.0		92.6	40-140	13.8	20		
Hexachlorobenzene	40.6	10	µg/L	50.0		81.2	40-140	13.2	20		
Hexachlorobutadiene	37.2	10	µg/L	50.0		74.5	40-140	13.0	20		
Hexachlorocyclopentadiene	38.8	10	µg/L	50.0		77.5	30-140	12.1	50		
Hexachloroethane	44.6	10	µg/L	50.0		89.3	40-140	14.8	50		
Isophorone	53.1	10	µg/L	50.0		106	40-140	14.1	20		
2-Methylphenol	51.4	10	µg/L	50.0		103	30-130	16.5	20		
3/4-Methylphenol	53.7	10	µg/L	50.0		107	30-130	16.6	20		
2-Nitroaniline	59.2	10	µg/L	50.0		118	40-140	12.1	20	V-06	
3-Nitroaniline	48.2	10	µg/L	50.0		96.4	40-140	15.5	20		†
4-Nitroaniline	50.2	10	µg/L	50.0		100	40-140	13.8	20		
Nitrobenzene	48.6	10	µg/L	50.0		97.2	40-140	10.9	20		
2-Nitrophenol	42.5	10	µg/L	50.0		85.1	30-130	12.9	20		
4-Nitrophenol	54.4	10	µg/L	50.0		109	10-130	17.6	50		‡
N-Nitrosodiphenylamine	55.6	10	µg/L	50.0		111	40-140	12.7	20	V-35	
N-Nitrosodi-n-propylamine	56.5	10	µg/L	50.0		113	40-140	17.3	20		
Pentachloronitrobenzene	43.8	10	µg/L	50.0		87.7	40-140	16.7	20	V-16	
Pentachlorophenol	34.5	10	µg/L	50.0		69.0	30-130	17.3	50		
Phenol	54.2	10	µg/L	50.0		108	20-130	16.4	20		
Pyridine	39.6	5.0	µg/L	50.0		79.2	10-140	13.7	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 B205570 - SW-846 3510C											
LCS Dup (B205570-BSD1)				Prepared: 06/13/18 Analyzed: 06/14/18							
1,2,4,5-Tetrachlorobenzene	43.6	10	µg/L	50.0		87.3		40-140	12.7	20	
1,2,4-Trichlorobenzene	38.2	5.0	µg/L	50.0		76.5		40-140	12.1	20	
2,4,5-Trichlorophenol	45.5	10	µg/L	50.0		91.0		30-130	13.7	20	
2,4,6-Trichlorophenol	45.4	10	µg/L	50.0		90.7		30-130	13.1	50	
Surrogate: 2-Fluorophenol	*203*		µg/L	200		102		15-110			
Surrogate: Phenol-d6	*233*		µg/L	200		**117**	*	15-110			S-07
Surrogate: Nitrobenzene-d5	*102*		µg/L	100		102		30-130			
Surrogate: 2-Fluorobiphenyl	*87.4*		µg/L	101		86.5		30-130			
Surrogate: 2,4,6-Tribromophenol	*208*		µg/L	200		104		15-110			
Surrogate: p-Terphenyl-d14	*96.6*		µg/L	101		95.6		30-130			
Batch B205727 - SW-846 3510C											
Blank (B205727-BLK1)				Prepared: 06/13/18 Analyzed: 06/14/18							
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	*201*		µg/L	200		101		15-110			
Surrogate: Phenol-d6	*219*		µg/L	200		110		15-110			
Surrogate: Nitrobenzene-d5	*104*		µg/L	100		104		30-130			
Surrogate: 2-Fluorobiphenyl	*89.1*		µg/L	101		88.2		30-130			
Surrogate: 2,4,6-Tribromophenol	*268*		µg/L	200		**134**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*91.3*		µg/L	101		90.4		30-130			
LCS (B205727-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18							
Acenaphthene (SIM)	41.4	7.5	µg/L	50.0		82.7		40-140			
Acenaphthylene (SIM)	42.9	7.5	µg/L	50.0		85.8		40-140			
Anthracene (SIM)	44.2	5.0	µg/L	50.0		88.5		40-140			
Benzo(a)anthracene (SIM)	42.7	1.2	µg/L	50.0		85.4		40-140			
Benzo(a)pyrene (SIM)	45.4	2.5	µg/L	50.0		90.8		40-140			
Benzo(b)fluoranthene (SIM)	47.2	1.2	µg/L	50.0		94.4		40-140			
Benzo(g,h,i)perylene (SIM)	46.9	12	µg/L	50.0		93.8		40-140			
Benzo(k)fluoranthene (SIM)	43.8	5.0	µg/L	50.0		87.7		40-140			
Chrysene (SIM)	41.2	5.0	µg/L	50.0		82.4		40-140			
Dibenz(a,h)anthracene (SIM)	48.7	5.0	µg/L	50.0		97.4		40-140			
Fluoranthene (SIM)	41.1	12	µg/L	50.0		82.2		40-140			
Fluorene (SIM)	43.4	25	µg/L	50.0		86.8		40-140			
Indeno(1,2,3-cd)pyrene (SIM)	49.9	5.0	µg/L	50.0		99.8		40-140			

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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 B205727 - SW-846 3510C										
LCS (B205727-BS1)				Prepared: 06/13/18 Analyzed: 06/14/18						
2-Methylnaphthalene (SIM)	41.7	25	µg/L	50.0		83.4	40-140			
Naphthalene (SIM)	37.6	25	µg/L	50.0		75.2	40-140			
Pentachlorophenol (SIM)	30.0	25	µg/L	50.0		59.9	40-140			
Phenanthrene (SIM)	42.0	1.2	µg/L	50.0		84.0	40-140			
Pyrene (SIM)	38.4	25	µg/L	50.0		76.8	40-140			
Surrogate: 2-Fluorophenol	*156*		µg/L	200		78.2	15-110			
Surrogate: Phenol-d6	*173*		µg/L	200		86.7	15-110			
Surrogate: Nitrobenzene-d5	*81.0*		µg/L	100		81.0	30-130			
Surrogate: 2-Fluorobiphenyl	*71.7*		µg/L	101		71.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*158*		µg/L	200		78.9	15-110			
Surrogate: p-Terphenyl-d14	*63.5*		µg/L	101		62.8	30-130			
LCS Dup (B205727-BSD1)				Prepared: 06/13/18 Analyzed: 06/14/18						
Acenaphthene (SIM)	45.6	7.5	µg/L	50.0		91.2	40-140	9.72	20	
Acenaphthylene (SIM)	47.3	7.5	µg/L	50.0		94.6	40-140	9.70	20	
Anthracene (SIM)	49.0	5.0	µg/L	50.0		98.1	40-140	10.3	20	
Benzo(a)anthracene (SIM)	47.7	1.2	µg/L	50.0		95.4	40-140	11.1	20	
Benzo(a)pyrene (SIM)	50.4	2.5	µg/L	50.0		101	40-140	10.6	20	
Benzo(b)fluoranthene (SIM)	52.6	1.2	µg/L	50.0		105	40-140	10.9	20	
Benzo(g,h,i)perylene (SIM)	52.4	12	µg/L	50.0		105	40-140	11.1	20	
Benzo(k)fluoranthene (SIM)	48.4	5.0	µg/L	50.0		96.8	40-140	9.92	20	
Chrysene (SIM)	45.8	5.0	µg/L	50.0		91.5	40-140	10.5	20	
Dibenz(a,h)anthracene (SIM)	54.4	5.0	µg/L	50.0		109	40-140	10.9	20	
Fluoranthene (SIM)	46.1	12	µg/L	50.0		92.2	40-140	11.4	20	
Fluorene (SIM)	48.4	25	µg/L	50.0		96.8	40-140	10.8	20	
Indeno(1,2,3-cd)pyrene (SIM)	55.6	5.0	µg/L	50.0		111	40-140	10.9	20	‡
2-Methylnaphthalene (SIM)	45.2	25	µg/L	50.0		90.4	40-140	8.12	20	
Naphthalene (SIM)	40.8	25	µg/L	50.0		81.7	40-140	8.29	20	
Pentachlorophenol (SIM)	34.4	25	µg/L	50.0		68.9	40-140	14.0	20	
Phenanthrene (SIM)	46.3	1.2	µg/L	50.0		92.6	40-140	9.79	20	
Pyrene (SIM)	42.0	25	µg/L	50.0		84.0	40-140	8.96	20	
Surrogate: 2-Fluorophenol	*171*		µg/L	200		85.6	15-110			
Surrogate: Phenol-d6	*192*		µg/L	200		96.0	15-110			
Surrogate: Nitrobenzene-d5	*84.5*		µg/L	100		84.5	30-130			
Surrogate: 2-Fluorobiphenyl	*76.5*		µg/L	101		75.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*170*		µg/L	200		84.9	15-110			
Surrogate: p-Terphenyl-d14	*67.3*		µg/L	101		66.6	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205373 - SW-846 3510C										
Blank (B205373-BLK1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Aroclor-1016	ND	0.018	µg/L							
Aroclor-1016 [2C]	ND	0.018	µg/L							
Aroclor-1221	ND	0.018	µg/L							
Aroclor-1221 [2C]	ND	0.018	µg/L							
Aroclor-1232	ND	0.018	µg/L							
Aroclor-1232 [2C]	ND	0.018	µg/L							
Aroclor-1242	ND	0.018	µg/L							
Aroclor-1242 [2C]	ND	0.018	µg/L							
Aroclor-1248	ND	0.018	µg/L							
Aroclor-1248 [2C]	ND	0.018	µg/L							
Aroclor-1254	ND	0.018	µg/L							
Aroclor-1254 [2C]	ND	0.018	µg/L							
Aroclor-1260	ND	0.018	µg/L							
Aroclor-1260 [2C]	ND	0.018	µg/L							
Aroclor-1262	ND	0.018	µg/L							
Aroclor-1262 [2C]	ND	0.018	µg/L							
Aroclor-1268	ND	0.018	µg/L							
Aroclor-1268 [2C]	ND	0.018	µg/L							
Surrogate: Decachlorobiphenyl	*0.742*		µg/L	2.00		37.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.791*		µg/L	2.00		39.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.995*		µg/L	2.00		49.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		µg/L	2.00		50.4	30-150			
LCS (B205373-BS1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Aroclor-1016	0.43	0.20	µg/L	0.500		85.7	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		84.2	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500		77.9	40-140			
Aroclor-1260 [2C]	0.41	0.20	µg/L	0.500		82.3	40-140			
Surrogate: Decachlorobiphenyl	*1.33*		µg/L	2.00		66.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.44*		µg/L	2.00		72.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.30*		µg/L	2.00		64.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.33*		µg/L	2.00		66.7	30-150			
LCS Dup (B205373-BSD1)				Prepared: 06/11/18 Analyzed: 06/12/18						
Aroclor-1016	0.45	0.20	µg/L	0.500		89.9	40-140	4.78	20	
Aroclor-1016 [2C]	0.47	0.20	µg/L	0.500		93.7	40-140	10.7	20	
Aroclor-1260	0.40	0.20	µg/L	0.500		81.0	40-140	3.90	20	
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140	5.19	20	
Surrogate: Decachlorobiphenyl	*1.34*		µg/L	2.00		66.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.44*		µg/L	2.00		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.33*		µg/L	2.00		66.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.38*		µg/L	2.00		69.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B205476 - SW-846 3510C										
Blank (B205476-BLK1)				Prepared: 06/12/18 Analyzed: 06/13/18						
CT ETPH	ND	0.075	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0956*		mg/L	0.100		95.6	50-150			
LCS (B205476-BS1)				Prepared: 06/12/18 Analyzed: 06/13/18						
CT ETPH	0.719	0.075	mg/L	1.00		71.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.100*		mg/L	0.100		100	50-150			
LCS Dup (B205476-BSD1)				Prepared: 06/12/18 Analyzed: 06/13/18						
CT ETPH	0.705	0.075	mg/L	1.00		70.5	60-120	1.93	30	
Surrogate: 2-Fluorobiphenyl	*0.0964*		mg/L	0.100		96.4	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B205373-BS1 Date(s) Analyzed: 06/12/2018 06/12/2018

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	0.43	
	2	0.000	0.000	0.000	0.42	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.41	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B205373-BSD1 Date(s) Analyzed: 06/12/2018 06/12/2018

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	0.45	
	2	0.000	0.000	0.000	0.47	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.40	
	2	0.000	0.000	0.000	0.43	4.8

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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.
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-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-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-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME

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 8260C in Water	
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
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

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2018

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con-test ANALYTICAL LABORATORY

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	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
01	MW-200	6/7/18	1000		X	GW	U	X	X	X			
02	CCA-5	↓	1100		↓	↓	↓	X	X	X			
03	MW-AIR1	↓	1230		↓	↓	↓				X		
04	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.

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

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

Relinquished by: (signature)	Date/Time:
[signature] 6/8/18	1230
Received by: (signature) Joe [signature] 6/8/18	1230
Relinquished by: (signature) Joe [signature] 6/8/18	1500
Received by: (signature) Sam Einzig 3.0	6/8/18 15:00
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client W+S

Received By SE Date 6/8/18 Time 14:35

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 # 8 Actual Temp - 3.0

By Blank # ____ Actual Temp - ____

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

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

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

Unused Media

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

Comments:

X:\HPCHEM\1\DATA\A061318.SEC\A0613007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613007.D
Data File Path	X:\HPCHEM\1\DATA\A061318.SEC\
Operator	RMW
Date Acquired	6/13/2018 8:44
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	610391	622684	2
c - 10	1.57	621295	622684	0
c - 12	2.30	630252	622684	-1
c - 14	2.96	643159	622684	-3
c - 16	3.56	654111	622684	-5
c - 18	4.15	655535	622684	-5
c - 20	4.77	660736	622684	-6
c - 22	5.27	662087	622684	-6
c - 24	5.71	654665	622684	-5
c - 26	6.11	646985	622684	-4
c - 28	6.46	641642	622684	-3
c - 30	6.80	634910	622684	-2
c - 32	7.11	586624	622684	6
c - 34	7.40	536142	622684	14
c - 36	7.69	501726	622684	19

*One compound allowed %D </=50%

Samples

18F0297-01@50X
18F0297-02@5X
18F0297-03@50X
18F0297-04@50X
18F0297-05@50X
18F0289-05@100X
18F0289-11@100X

X:\HPCHEM\1\DATA\A061318.SEC\A0613069.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613069.D
Data File Path	X:\HPCHEM\1\DATA\A061318.SEC\
Operator	RMW
Date Acquired	6/13/2018 6:13
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.23	620785	623794	0
c - 10	1.57	628223	623794	-1
c - 12	2.30	632704	623794	-1
c - 14	2.96	644399	623794	-3
c - 16	3.56	654609	623794	-5
c - 18	4.15	655754	623794	-5
c - 20	4.77	660721	623794	-6
c - 22	5.27	661629	623794	-6
c - 24	5.71	653362	623794	-5
c - 26	6.11	645080	623794	-3
c - 28	6.46	639830	623794	-3
c - 30	6.80	633594	623794	-2
c - 32	7.11	586527	623794	6
c - 34	7.40	536698	623794	14
c - 36	7.69	502993	623794	19

Samples
18F0289-01

*One compound allowed %D </=50%

X:\HPCHEM\1\DATA\A061318\A0613006.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613006.D
Data File Path	X:\HPCHEM\1\DATA\A061318\
Date Acquired	6/13/2018 8:26
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.16	639369	710905	10
c - 10	1.50	659547	710905	7
c - 12	2.21	690683	710905	3
c - 14	2.87	716282	710905	-1
c - 16	3.47	736743	710905	-4
c - 18	4.05	750094	710905	-6
c - 20	4.67	765561	710905	-8
c - 22	5.18	775224	710905	-9
c - 24	5.62	771748	710905	-9
c - 26	6.01	766030	710905	-8
c - 28	6.37	761006	710905	-7
c - 30	6.70	749587	710905	-5
c - 32	7.01	685796	710905	4
c - 34	7.30	620698	710905	13
c - 36	7.58	575204	710905	19

*One compound allowed %D </=50%

Samples

18F0423-09
18F0342-01
18F0342-02
18F0342-04
18F0342-05
18F0342-06
18F0342-07
18F0389-01
18F0389-02
18F0423-01
18F0423-02
18F0423-03
18F0423-04
18F0423-05
18F0423-06

X:\HPCHEM\1\DATA\A061318\A0613068.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A0613068.D
Data File Path	X:\HPCHEM\1\DATA\A061318\
Date Acquired	6/13/2018 5:56
Operator	RMW
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg Response	*%D+/-20
c - 9	1.16	611148	643333	5
c - 10	1.50	622923	643333	3
c - 12	2.21	636219	643333	1
c - 14	2.87	649513	643333	-1
c - 16	3.47	659094	643333	-2
c - 18	4.05	662209	643333	-3
c - 20	4.67	670228	643333	-4
c - 22	5.18	675954	643333	-5
c - 24	5.62	673323	643333	-5
c - 26	6.01	672962	643333	-5
c - 28	6.37	677815	643333	-5
c - 30	6.70	681090	643333	-6
c - 32	7.01	635074	643333	1
c - 34	7.30	581634	643333	10
c - 36	7.58	540813	643333	16

Samples

18F0423-07
18F0423-08
18F0424-01

*One compound allowed %D </=50%

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 18F0389

Laboratory Sample ID(s):
18F0389-01 thru 18F0389-04

Sample Date(s):
06/07/2018

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

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

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

Tod E. Kopyscinski

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

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

Printed Name: Tod E. Kopyscinski **Date:** 06/15/18

Name of Laboratory: Con-Test Analytical Laboratory

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