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

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

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

Requirements for Transmittals through the SFT website:

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

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

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

Part II: Site Information

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

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

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

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

Part III: Document Information

Remediation - Monitoring Report
Date of Document: 1/30/2020

Part IV: Submitter Information

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

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

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

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street
Berlin, CT 06037

January 30, 2020

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

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

Dear Mr. Robinson:

Groundwater Report – 4th Quarter 2019
Former Simsbury Area Work Center (Rem ID #4943)
34 Hopmeadow Street, Simsbury, CT

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

As documented in the most recent Annual Summary Report (Reference 1), a modification to the groundwater sampling program was proposed by the Licensed Environmental Professional retained to provide verification for the investigation and remediation of this site pursuant to CGS Section 22a-133v (Reference 2). Based on this and more recent evaluation, samples were collected from five (5) monitoring wells including MW-CCA-4, MW-6, MW-16, MW-102, and MW-203, and analyzed for various parameters.

As indicated in the enclosed laboratory analytical data report, groundwater sample results were below the Remediation Standard Regulation GA Groundwater Protection Criteria, Surface Water Protection Criteria, and Groundwater Volatilization Criteria except for a total petroleum hydrocarbon concentration that was detected above 250 micrograms per liter in the sample collected from monitoring well MW-102.

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

Very truly yours,

The Connecticut Light & Power Company dba Eversource Energy

Drew Blicharz

Drew P. Blicharz
Environmental Specialist – Remediation

Enclosure

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

December 26, 2019

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: 19L0801

Enclosed are results of analyses for samples received by the laboratory on December 18, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Michelle M. Koch
Project Manager

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

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

REPORT DATE: 12/26/2019

PURCHASE ORDER NUMBER: 10908492

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19L0801

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-16	19L0801-01	Ground Water		CTDEP ETPH	
				SW-846 8270D-E	
MW-6	19L0801-02	Ground Water		CTDEP ETPH	
				SW-846 8260C-D	
				SW-846 8270D-E	
MW-203	19L0801-03	Ground Water		SW-846 8082A	
MW-CCA4	19L0801-04	Ground Water		CTDEP ETPH	
				SW-846 8270D-E	
MW-102	19L0801-05	Ground Water		CTDEP ETPH	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C-D	
Trip Blank	19L0801-06	Ground Water		SW-846 8260C-D	

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CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported for sample 19L0801-02.

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

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SW-846 8260C-D

Qualifications:

L-03

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
19L0801-02[MW-6], 19L0801-05[MW-102], 19L0801-06[Trip Blank], B248704-BLK1, B248704-BS1, S043956-CCV1

1,2,4-Trichlorobenzene
19L0801-02[MW-6], 19L0801-05[MW-102], 19L0801-06[Trip Blank], B248704-BLK1, B248704-BS1, S043956-CCV1

Naphthalene
19L0801-02[MW-6], 19L0801-05[MW-102], 19L0801-06[Trip Blank], B248704-BLK1, B248704-BS1, S043956-CCV1

V-05

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
19L0801-02[MW-6], 19L0801-05[MW-102], 19L0801-06[Trip Blank], B248704-BLK1, B248704-BS1, S043956-CCV1

1,2,4-Trichlorobenzene
19L0801-02[MW-6], 19L0801-05[MW-102], 19L0801-06[Trip Blank], B248704-BLK1, B248704-BS1, S043956-CCV1

Naphthalene
19L0801-02[MW-6], 19L0801-05[MW-102], 19L0801-06[Trip Blank], B248704-BLK1, B248704-BS1, S043956-CCV1

V-20

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

Analyte & Samples(s) Qualified:

Bromomethane
B248704-BS1, S043956-CCV1

Chloromethane
B248704-BS1, S043956-CCV1

SW-846 8270D-E

Qualifications:

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:

Pyrene (SIM)
19L0801-01[MW-16], 19L0801-04[MW-CCA4], B248798-BLK1, B248798-BS1, B248798-BSD1, B248824-BLK1, B248824-BS1, B248824-BSD1

RL-03

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

Analyte & Samples(s) Qualified:

Hexachlorobenzene
19L0801-01[MW-16], 19L0801-04[MW-CCA4]

Pentachlorophenol
19L0801-01[MW-16], 19L0801-04[MW-CCA4]

V-06

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

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
B248716-BS1, B248716-BSD1

V-20

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

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
19L0801-01[MW-16], 19L0801-04[MW-CCA4], B248716-BLK1, S044001-CCV1

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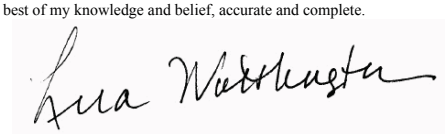
The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this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



Lisa A. Worthington
Technical Representative

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-16 | Sampled: 12/16/2019 12:45

Sample ID: 19L0801-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Aniline	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-20	SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW

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: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-16 | Sampled: 12/16/2019 12:45

Sample ID: 19L0801-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Pentachlorophenol	ND	10	µg/L	1	RL-03	SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Phenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
Pyrene (SIM)	ND	1.0	µg/L	1	R-05	SW-846 8270D-E	12/19/19	12/20/19 17:14	RMW
Pyridine	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 16:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.7	15-110		12/20/19 16:35
Phenol-d6	27.9	15-110		12/20/19 16:35
Nitrobenzene-d5	68.1	30-130		12/20/19 16:35
Nitrobenzene-d5	69.6	30-130		12/20/19 17:14
2-Fluorobiphenyl	90.9	30-130		12/20/19 16:35
2,4,6-Tribromophenol	94.7	15-110		12/20/19 16:35
p-Terphenyl-d14	62.7	30-130		12/20/19 17:14
p-Terphenyl-d14	81.7	30-130		12/20/19 16:35

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-16 | Sampled: 12/16/2019 12:45

Sample ID: 19L0801-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	12/19/19	12/23/19 19:09	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	61.7	50-150		12/23/19 19:09

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-6 | Sampled: 12/16/2019 12:00

Sample ID: 19L0801-02

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-D	12/19/19	12/19/19 20:01	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-6 | Sampled: 12/16/2019 12:00

Sample ID: 19L0801-02

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-D	12/19/19	12/19/19 20:01	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.4	70-130		12/19/19 20:01
Toluene-d8	97.8	70-130		12/19/19 20:01
4-Bromofluorobenzene	91.6	70-130		12/19/19 20:01

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-6 | Sampled: 12/16/2019 12:00

Sample ID: 19L0801-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/23/19 16:11	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	67.1	30-130		12/23/19 16:11
2-Fluorobiphenyl	55.6	30-130		12/23/19 16:11
p-Terphenyl-d14	57.2	30-130		12/23/19 16:11

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-6 | Sampled: 12/16/2019 12:00

Sample ID: 19L0801-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.15	0.14	mg/L	1		CTDEP ETPH	12/19/19	12/23/19 19:50	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	58.6	50-150		12/23/19 19:50

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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: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-203 | Sampled: 12/16/2019 11:10

Sample ID: 19L0801-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:40	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		12/20/19 13:40
Decachlorobiphenyl [2]	90.2	30-150		12/20/19 13:40
Tetrachloro-m-xylene [1]	71.4	30-150		12/20/19 13:40
Tetrachloro-m-xylene [2]	70.3	30-150		12/20/19 13:40

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-CCA4 | Sampled: 12/16/2019 09:20

Sample ID: 19L0801-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Aniline	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-20	SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW

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: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-CCA4 | Sampled: 12/16/2019 09:20

Sample ID: 19L0801-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Pentachlorophenol	ND	10	µg/L	1	RL-03	SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Phenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
Pyrene (SIM)	ND	1.0	µg/L	1	R-05	SW-846 8270D-E	12/19/19	12/20/19 17:42	RMW
Pyridine	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	12/19/19	12/20/19 17:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	44.3	15-110		12/20/19 17:01
Phenol-d6	30.2	15-110		12/20/19 17:01
Nitrobenzene-d5	69.5	30-130		12/20/19 17:01
Nitrobenzene-d5	68.5	30-130		12/20/19 17:42
2-Fluorobiphenyl	92.1	30-130		12/20/19 17:01
2,4,6-Tribromophenol	93.0	15-110		12/20/19 17:01
p-Terphenyl-d14	82.2	30-130		12/20/19 17:01
p-Terphenyl-d14	69.9	30-130		12/20/19 17:42

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: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-CCA4 | Sampled: 12/16/2019 09:20

Sample ID: 19L0801-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	12/19/19	12/23/19 20:10	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	57.7	50-150		12/23/19 20:10

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-102 | Sampled: 12/16/2019 10:00

Sample ID: 19L0801-05

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-D	12/19/19	12/19/19 20:27	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Chloroform	0.72	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-102 | Sampled: 12/16/2019 10:00

Sample ID: 19L0801-05

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-D	12/19/19	12/19/19 20:27	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 20:27	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		12/19/19 20:27
Toluene-d8	98.4	70-130		12/19/19 20:27
4-Bromofluorobenzene	92.2	70-130		12/19/19 20:27

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-102 | Sampled: 12/16/2019 10:00

Sample ID: 19L0801-05

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	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1221 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1232 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1242 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1248 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1254 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1260 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1262 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG
Aroclor-1268 [1]	ND	0.22	µg/L	1		SW-846 8082A	12/19/19	12/20/19 13:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.3	30-150		12/20/19 13:52
Decachlorobiphenyl [2]	81.9	30-150		12/20/19 13:52
Tetrachloro-m-xylene [1]	65.4	30-150		12/20/19 13:52
Tetrachloro-m-xylene [2]	64.6	30-150		12/20/19 13:52

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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: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-102 | Sampled: 12/16/2019 10:00

Sample ID: 19L0801-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.32	0.16	mg/L	1		CTDEP ETPH	12/19/19	12/23/19 19:29	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	58.3	50-150		12/23/19 19:29

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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: 19L0801

Date Received: 12/18/2019

Field Sample #: MW-102 | Sampled: 12/16/2019 10:00

Sample ID: 19L0801-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	12/20/19	12/23/19 16:36	QNW
Barium	100	10	µg/L	1		SW-846 6020B	12/20/19	12/23/19 14:09	MJH
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	12/20/19	12/23/19 14:09	MJH
Chromium	2.9	1.0	µg/L	1		SW-846 6020B	12/20/19	12/23/19 14:09	MJH
Lead	ND	0.50	µg/L	1		SW-846 6020B	12/20/19	12/23/19 14:09	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	12/19/19	12/20/19 16:28	AJL
Selenium	ND	5.0	µg/L	1		SW-846 6020B	12/20/19	12/23/19 14:09	MJH
Silver	ND	0.20	µg/L	1		SW-846 6020B	12/20/19	12/23/19 14:09	MJH

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: Trip Blank | Sampled: 12/16/2019 00:00

Sample ID: 19L0801-06

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-D	12/19/19	12/19/19 15:36	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 19L0801

Date Received: 12/18/2019

Field Sample #: Trip Blank | Sampled: 12/16/2019 00:00

Sample ID: 19L0801-06

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-D	12/19/19	12/19/19 15:36	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05, L-03	SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	L-03, V-05	SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/19/19	12/19/19 15:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.1	70-130		12/19/19 15:36
Toluene-d8	97.6	70-130		12/19/19 15:36
4-Bromofluorobenzene	93.3	70-130		12/19/19 15:36

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Sample Extraction Data

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-01 [MW-16]	B248669	1000	1.00	12/19/19
19L0801-02 [MW-6]	B248669	1060	1.00	12/19/19
19L0801-04 [MW-CCA4]	B248669	1010	1.00	12/19/19
19L0801-05 [MW-102]	B248669	920	1.00	12/19/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-05 [MW-102]	B248797	50.0	50.0	12/20/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-05 [MW-102]	B248691	6.00	6.00	12/19/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-03 [MW-203]	B248651	1010	10.0	12/19/19
19L0801-05 [MW-102]	B248651	910	10.0	12/19/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-02 [MW-6]	B248704	5	5.00	12/19/19
19L0801-05 [MW-102]	B248704	5	5.00	12/19/19
19L0801-06 [Trip Blank]	B248704	5	5.00	12/19/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-01 [MW-16]	B248716	995	1.00	12/19/19
19L0801-04 [MW-CCA4]	B248716	1000	1.00	12/19/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-02 [MW-6]	B248798	1000	1.00	12/19/19

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19L0801-01 [MW-16]	B248824	995	1.00	12/19/19
19L0801-04 [MW-CCA4]	B248824	1000	1.00	12/19/19

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B248704 - SW-846 5030B										
Blank (B248704-BLK1)				Prepared & Analyzed: 12/19/19						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B248704 - SW-846 5030B										
Blank (B248704-BLK1)				Prepared & Analyzed: 12/19/19						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							L-03, V-05
1,2,4-Trichlorobenzene	ND	0.50	µg/L							L-03, V-05
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.5	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.7	70-130			
LCS (B248704-BS1)				Prepared & Analyzed: 12/19/19						
Acetone	86.3	10	µg/L	100		86.3	40-160			
Acrylonitrile	8.90	2.0	µg/L	10.0		89.0	70-130			
Benzene	10.4	0.50	µg/L	10.0		104	70-130			
Bromobenzene	9.78	0.50	µg/L	10.0		97.8	70-130			
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130			
Bromoform	9.05	0.50	µg/L	10.0		90.5	70-130			
Bromomethane	13.2	1.0	µg/L	10.0		132	40-160			V-20
2-Butanone (MEK)	90.5	5.0	µg/L	100		90.5	40-160			
n-Butylbenzene	9.48	1.0	µg/L	10.0		94.8	70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130			
Carbon Disulfide	103	5.0	µg/L	100		103	70-130			
Carbon Tetrachloride	10.7	0.50	µg/L	10.0		107	70-130			
Chlorobenzene	11.1	0.50	µg/L	10.0		111	70-130			
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	40-160			
Chloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroform	10.9	0.50	µg/L	10.0		109	70-130			
Chloromethane	12.4	0.60	µg/L	10.0		124	40-160			V-20
2-Chlorotoluene	10.3	0.50	µg/L	10.0		103	70-130			
4-Chlorotoluene	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.12	1.0	µg/L	10.0		81.2	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dichlorobenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	11.1	0.50	µg/L	10.0		111	70-130			
1,4-Dichlorobenzene	11.3	0.50	µg/L	10.0		113	70-130			
trans-1,4-Dichloro-2-butene	7.70	2.0	µg/L	10.0		77.0	70-130			
Dichlorodifluoromethane (Freon 12)	9.49	0.50	µg/L	10.0		94.9	40-160			
1,1-Dichloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichloroethane	10.3	0.50	µg/L	10.0		103	70-130			
1,1-Dichloroethylene	10.5	0.50	µg/L	10.0		105	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 B248704 - SW-846 5030B											
LCS (B248704-BS1)				Prepared & Analyzed: 12/19/19							
cis-1,2-Dichloroethylene	10.6	0.50	µg/L	10.0		106		70-130			
trans-1,2-Dichloroethylene	9.71	1.0	µg/L	10.0		97.1		70-130			
1,2-Dichloropropane	10.8	0.50	µg/L	10.0		108		70-130			
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130			
2,2-Dichloropropane	9.44	0.50	µg/L	10.0		94.4		70-130			
1,1-Dichloropropene	11.1	0.50	µg/L	10.0		111		70-130			
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103		70-130			
trans-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0		70-130			
Ethylbenzene	10.4	0.50	µg/L	10.0		104		70-130			
Hexachlorobutadiene	9.33	0.60	µg/L	10.0		93.3		40-160			
2-Hexanone (MBK)	88.6	5.0	µg/L	100		88.6		70-130			
Isopropylbenzene (Cumene)	10.5	0.50	µg/L	10.0		105		70-130			
p-Isopropyltoluene (p-Cymene)	10.1	0.50	µg/L	10.0		101		70-130			
Methyl tert-Butyl Ether (MTBE)	9.55	0.50	µg/L	10.0		95.5		70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103		70-130			
4-Methyl-2-pentanone (MIBK)	89.7	5.0	µg/L	100		89.7		40-160			
Naphthalene	5.83	2.0	µg/L	10.0		**58.3**	*	70-130			L-03, V-05
n-Propylbenzene	10.3	1.0	µg/L	10.0		103		70-130			
Styrene	10.2	1.0	µg/L	10.0		102		70-130			
1,1,1,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112		70-130			
Tetrahydrofuran	9.21	10	µg/L	10.0		92.1		70-130			
Toluene	10.4	1.0	µg/L	10.0		104		70-130			
1,2,3-Trichlorobenzene	5.97	1.0	µg/L	10.0		**59.7**	*	70-130			L-03, V-05
1,2,4-Trichlorobenzene	6.67	0.50	µg/L	10.0		**66.7**	*	70-130			L-03, V-05
1,1,1-Trichloroethane	10.6	0.50	µg/L	10.0		106		70-130			
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0		108		70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112		70-130			
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106		40-160			
1,2,3-Trichloropropane	9.37	0.50	µg/L	10.0		93.7		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	0.50	µg/L	10.0		112		70-130			
1,2,4-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130			
1,3,5-Trimethylbenzene	9.80	0.50	µg/L	10.0		98.0		70-130			
Vinyl Chloride	10.5	1.0	µg/L	10.0		105		70-130			
m+p Xylene	21.2	2.0	µg/L	20.0		106		70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.5		70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3		70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.8		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 B248716 - SW-846 3510C										
Blank (B248716-BLK1)				Prepared: 12/19/19 Analyzed: 12/20/19						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	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							
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-20
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
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	*82.3*		µg/L	200		41.1	15-110			
Surrogate: Phenol-d6	*54.6*		µg/L	200		27.3	15-110			
Surrogate: Nitrobenzene-d5	*67.1*		µg/L	100		67.1	30-130			
Surrogate: 2-Fluorobiphenyl	*90.4*		µg/L	100		90.4	30-130			

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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 B248716 - SW-846 3510C											
Blank (B248716-BLK1)				Prepared: 12/19/19 Analyzed: 12/20/19							
Surrogate: 2,4,6-Tribromophenol	*194*		µg/L	200		97.0	15-110				
Surrogate: p-Terphenyl-d14	*83.6*		µg/L	100		83.6	30-130				
LCS (B248716-BS1)				Prepared: 12/19/19 Analyzed: 12/20/19							
Aniline	34.0	5.0	µg/L	50.0		68.1	40-140				†
Bis(2-chloroethoxy)methane	34.9	10	µg/L	50.0		69.8	40-140				
Bis(2-chloroethyl)ether	33.9	10	µg/L	50.0		67.8	40-140				
Bis(2-chloroisopropyl)ether	48.9	10	µg/L	50.0		97.8	40-140				
Bis(2-Ethylhexyl)phthalate	36.4	10	µg/L	50.0		72.7	40-140				
4-Bromophenylphenylether	39.8	10	µg/L	50.0		79.7	40-140				
Butylbenzylphthalate	36.3	10	µg/L	50.0		72.6	40-140				
Carbazole	39.0	10	µg/L	50.0		78.1	40-140				
4-Chloroaniline	41.1	10	µg/L	50.0		82.2	40-140				†
4-Chloro-3-methylphenol	41.9	10	µg/L	50.0		83.8	30-130				
2-Chloronaphthalene	34.8	10	µg/L	50.0		69.6	40-140				
2-Chlorophenol	33.6	10	µg/L	50.0		67.2	30-130				
4-Chlorophenylphenylether	41.1	10	µg/L	50.0		82.1	40-140				
Dibenzofuran	41.3	5.0	µg/L	50.0		82.7	40-140				
Di-n-butylphthalate	38.7	10	µg/L	50.0		77.4	40-140				
3,3-Dichlorobenzidine	53.8	10	µg/L	50.0		108	40-140			V-06	†
2,4-Dichlorophenol	40.4	10	µg/L	50.0		80.8	30-130				
Diethylphthalate	39.1	10	µg/L	50.0		78.2	40-140				
2,4-Dimethylphenol	37.0	10	µg/L	50.0		73.9	30-130				
Dimethylphthalate	39.7	10	µg/L	50.0		79.5	40-140				
4,6-Dinitro-2-methylphenol	39.1	10	µg/L	50.0		78.2	30-130				
2,4-Dinitrophenol	33.6	10	µg/L	50.0		67.3	30-130				
2,4-Dinitrotoluene	39.1	10	µg/L	50.0		78.1	40-140				
2,6-Dinitrotoluene	40.6	10	µg/L	50.0		81.2	40-140				
Di-n-octylphthalate	34.3	10	µg/L	50.0		68.5	40-140				
Hexachlorobenzene	42.7	10	µg/L	50.0		85.3	40-140				
Hexachlorobutadiene	38.1	10	µg/L	50.0		76.3	40-140				
Hexachlorocyclopentadiene	26.0	10	µg/L	50.0		52.1	30-140				
Hexachloroethane	30.2	10	µg/L	50.0		60.3	40-140				
Isophorone	40.6	10	µg/L	50.0		81.2	40-140				
2-Methylphenol	31.1	10	µg/L	50.0		62.2	30-130				
3/4-Methylphenol	31.9	10	µg/L	50.0		63.7	30-130				
2-Nitroaniline	44.8	10	µg/L	50.0		89.6	40-140				
3-Nitroaniline	40.3	10	µg/L	50.0		80.6	40-140				†
4-Nitroaniline	40.7	10	µg/L	50.0		81.4	40-140				
Nitrobenzene	38.0	10	µg/L	50.0		76.0	40-140				
2-Nitrophenol	38.2	10	µg/L	50.0		76.4	30-130				
4-Nitrophenol	21.5	10	µg/L	50.0		43.1	10-130				
N-Nitrosodiphenylamine/Diphenylamine	40.8	10	µg/L	50.0		81.6	40-140				
N-Nitrosodi-n-propylamine	39.0	10	µg/L	50.0		78.0	40-140				
Pentachloronitrobenzene	42.6	10	µg/L	50.0		85.2	40-140				
Pentachlorophenol	34.4	10	µg/L	50.0		68.8	30-130				
Phenol	15.8	10	µg/L	50.0		31.6	20-130				
Pyridine	12.3	5.0	µg/L	50.0		24.7	10-140				†
1,2,4,5-Tetrachlorobenzene	38.5	10	µg/L	50.0		76.9	40-140				
1,2,4-Trichlorobenzene	36.8	5.0	µg/L	50.0		73.6	40-140				
2,4,5-Trichlorophenol	40.7	10	µg/L	50.0		81.4	30-130				
2,4,6-Trichlorophenol	40.0	10	µg/L	50.0		80.1	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 B248716 - SW-846 3510C											
LCS (B248716-BS1)				Prepared: 12/19/19 Analyzed: 12/20/19							
Surrogate: 2-Fluorophenol	*94.4*		µg/L	200		47.2	15-110				
Surrogate: Phenol-d6	*68.2*		µg/L	200		34.1	15-110				
Surrogate: Nitrobenzene-d5	*74.9*		µg/L	100		74.9	30-130				
Surrogate: 2-Fluorobiphenyl	*102*		µg/L	100		102	30-130				
Surrogate: 2,4,6-Tribromophenol	*206*		µg/L	200		103	15-110				
Surrogate: p-Terphenyl-d14	*85.8*		µg/L	100		85.8	30-130				
LCS Dup (B248716-BSD1)				Prepared: 12/19/19 Analyzed: 12/20/19							
Aniline	28.9	5.0	µg/L	50.0		57.9	40-140	16.2	50		† ‡
Bis(2-chloroethoxy)methane	33.9	10	µg/L	50.0		67.7	40-140	2.94	20		
Bis(2-chloroethyl)ether	34.2	10	µg/L	50.0		68.5	40-140	0.998	20		
Bis(2-chloroisopropyl)ether	49.5	10	µg/L	50.0		99.0	40-140	1.28	20		
Bis(2-Ethylhexyl)phthalate	35.0	10	µg/L	50.0		70.0	40-140	3.84	20		
4-Bromophenylphenylether	39.7	10	µg/L	50.0		79.4	40-140	0.428	20		
Butylbenzylphthalate	34.8	10	µg/L	50.0		69.6	40-140	4.27	20		
Carbazole	36.8	10	µg/L	50.0		73.6	40-140	5.91	20		
4-Chloroaniline	38.0	10	µg/L	50.0		76.1	40-140	7.71	20		†
4-Chloro-3-methylphenol	40.1	10	µg/L	50.0		80.2	30-130	4.39	20		
2-Chloronaphthalene	33.8	10	µg/L	50.0		67.6	40-140	2.94	20		
2-Chlorophenol	32.8	10	µg/L	50.0		65.7	30-130	2.23	20		
4-Chlorophenylphenylether	39.6	10	µg/L	50.0		79.2	40-140	3.59	20		
Dibenzofuran	39.7	5.0	µg/L	50.0		79.4	40-140	4.07	20		
Di-n-butylphthalate	37.6	10	µg/L	50.0		75.1	40-140	3.02	20		
3,3-Dichlorobenzidine	51.4	10	µg/L	50.0		103	40-140	4.66	20	V-06	† ‡
2,4-Dichlorophenol	39.3	10	µg/L	50.0		78.5	30-130	2.86	20		
Diethylphthalate	37.6	10	µg/L	50.0		75.1	40-140	3.94	20		
2,4-Dimethylphenol	35.5	10	µg/L	50.0		71.0	30-130	4.03	20		
Dimethylphthalate	38.3	10	µg/L	50.0		76.6	40-140	3.72	50		
4,6-Dinitro-2-methylphenol	38.3	10	µg/L	50.0		76.6	30-130	2.07	50		
2,4-Dinitrophenol	32.0	10	µg/L	50.0		64.0	30-130	5.03	50		
2,4-Dinitrotoluene	37.8	10	µg/L	50.0		75.6	40-140	3.23	20		
2,6-Dinitrotoluene	39.1	10	µg/L	50.0		78.3	40-140	3.61	20		
Di-n-octylphthalate	32.8	10	µg/L	50.0		65.7	40-140	4.26	20		
Hexachlorobenzene	41.7	10	µg/L	50.0		83.4	40-140	2.32	20		
Hexachlorobutadiene	38.8	10	µg/L	50.0		77.5	40-140	1.59	20		
Hexachlorocyclopentadiene	26.5	10	µg/L	50.0		53.0	30-140	1.75	50		
Hexachloroethane	30.8	10	µg/L	50.0		61.5	40-140	1.97	50		
Isophorone	40.0	10	µg/L	50.0		79.9	40-140	1.59	20		
2-Methylphenol	29.8	10	µg/L	50.0		59.6	30-130	4.17	20		
3/4-Methylphenol	30.3	10	µg/L	50.0		60.6	30-130	5.02	20		
2-Nitroaniline	42.1	10	µg/L	50.0		84.2	40-140	6.14	20		
3-Nitroaniline	36.0	10	µg/L	50.0		72.1	40-140	11.1	20		†
4-Nitroaniline	36.1	10	µg/L	50.0		72.2	40-140	11.9	20		
Nitrobenzene	36.3	10	µg/L	50.0		72.5	40-140	4.71	20		
2-Nitrophenol	38.2	10	µg/L	50.0		76.3	30-130	0.0524	20		
4-Nitrophenol	19.6	10	µg/L	50.0		39.2	10-130	9.38	50		‡
N-Nitrosodiphenylamine/Diphenylamine	40.4	10	µg/L	50.0		80.9	40-140	0.911	20		
N-Nitrosodi-n-propylamine	38.7	10	µg/L	50.0		77.5	40-140	0.695	20		
Pentachloronitrobenzene	40.4	10	µg/L	50.0		80.9	40-140	5.18	20		
Pentachlorophenol	31.6	10	µg/L	50.0		63.3	30-130	8.27	50		
Phenol	15.2	10	µg/L	50.0		30.5	20-130	3.61	20		
Pyridine	9.63	5.0	µg/L	50.0		19.3	10-140	24.6	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 B248716 - SW-846 3510C										
LCS Dup (B248716-BSD1)				Prepared: 12/19/19 Analyzed: 12/20/19						
1,2,4,5-Tetrachlorobenzene	37.4	10	µg/L	50.0		74.7	40-140	2.90	20	
1,2,4-Trichlorobenzene	36.5	5.0	µg/L	50.0		72.9	40-140	0.874	20	
2,4,5-Trichlorophenol	39.6	10	µg/L	50.0		79.2	30-130	2.76	20	
2,4,6-Trichlorophenol	38.2	10	µg/L	50.0		76.3	30-130	4.76	50	
Surrogate: 2-Fluorophenol	*91.7*		µg/L	200		45.9	15-110			
Surrogate: Phenol-d6	*65.3*		µg/L	200		32.6	15-110			
Surrogate: Nitrobenzene-d5	*75.4*		µg/L	100		75.4	30-130			
Surrogate: 2-Fluorobiphenyl	*101*		µg/L	100		101	30-130			
Surrogate: 2,4,6-Tribromophenol	*196*		µg/L	200		98.2	15-110			
Surrogate: p-Terphenyl-d14	*85.0*		µg/L	100		85.0	30-130			
Batch B248798 - SW-846 3510C										
Blank (B248798-BLK1)				Prepared & Analyzed: 12/20/19						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							R-05
Surrogate: Nitrobenzene-d5	*67.6*		µg/L	100		67.6	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*65.6*		µg/L	100		65.6	30-130			
Surrogate: 2-Fluorobiphenyl	*59.9*		µg/L	100		59.9	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*54.4*		µg/L	100		54.4	30-130			
Surrogate: p-Terphenyl-d14	*66.2*		µg/L	100		66.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*56.0*		µg/L	100		56.0	30-130			
LCS (B248798-BS1)				Prepared & Analyzed: 12/20/19						
Acenaphthene (SIM)	40.2	6.0	µg/L	50.0		80.4	40-140			
Acenaphthylene (SIM)	37.7	4.0	µg/L	50.0		75.4	40-140			
Anthracene (SIM)	43.4	4.0	µg/L	50.0		86.8	40-140			
Benzo(a)anthracene (SIM)	42.0	1.0	µg/L	50.0		84.1	40-140			
Benzo(a)pyrene (SIM)	42.2	2.0	µg/L	50.0		84.3	40-140			
Benzo(b)fluoranthene (SIM)	45.7	1.0	µg/L	50.0		91.4	40-140			
Benzo(g,h,i)perylene (SIM)	41.4	10	µg/L	50.0		82.9	40-140			
Benzo(k)fluoranthene (SIM)	45.1	4.0	µg/L	50.0		90.2	40-140			
Chrysene (SIM)	41.9	4.0	µg/L	50.0		83.9	40-140			
Dibenz(a,h)anthracene (SIM)	42.6	2.0	µg/L	50.0		85.1	40-140			
Fluoranthene (SIM)	42.3	10	µg/L	50.0		84.7	40-140			
Fluorene (SIM)	42.9	20	µg/L	50.0		85.9	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	42.2	2.0	µg/L	50.0		84.4	40-140			
2-Methylnaphthalene (SIM)	36.0	20	µg/L	50.0		72.1	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 B248798 - SW-846 3510C												
LCS (B248798-BS1)				Prepared & Analyzed: 12/20/19								
Naphthalene (SIM)	37.8	20	µg/L	50.0		75.7	40-140					
Phenanthrene (SIM)	41.9	1.0	µg/L	50.0		83.9	40-140					
Pyrene (SIM)	46.1	20	µg/L	50.0		92.2	40-140				R-05	
Surrogate: Nitrobenzene-d5	*78.0*		µg/L	100		78.0	30-130					
Surrogate: Nitrobenzene-d5 (SIM)	*73.4*		µg/L	100		73.4	30-130					
Surrogate: 2-Fluorobiphenyl	*71.6*		µg/L	100		71.6	30-130					
Surrogate: 2-Fluorobiphenyl (SIM)	*70.5*		µg/L	100		70.5	30-130					
Surrogate: p-Terphenyl-d14	*70.0*		µg/L	100		70.0	30-130					
Surrogate: p-Terphenyl-d14 (SIM)	*78.3*		µg/L	100		78.3	30-130					
LCS Dup (B248798-BSD1)				Prepared & Analyzed: 12/20/19								
Acenaphthene (SIM)	35.2	6.0	µg/L	50.0		70.5	40-140	13.1		20		
Acenaphthylene (SIM)	34.7	4.0	µg/L	50.0		69.3	40-140	8.40		20		
Anthracene (SIM)	38.2	4.0	µg/L	50.0		76.4	40-140	12.8		20		
Benzo(a)anthracene (SIM)	37.4	1.0	µg/L	50.0		74.8	40-140	11.7		20		
Benzo(a)pyrene (SIM)	37.5	2.0	µg/L	50.0		75.0	40-140	11.8		20		
Benzo(b)fluoranthene (SIM)	40.6	1.0	µg/L	50.0		81.1	40-140	11.9		20		
Benzo(g,h,i)perylene (SIM)	36.8	10	µg/L	50.0		73.6	40-140	11.9		20		
Benzo(k)fluoranthene (SIM)	40.1	4.0	µg/L	50.0		80.2	40-140	11.7		20		
Chrysene (SIM)	37.4	4.0	µg/L	50.0		74.7	40-140	11.6		20		
Dibenz(a,h)anthracene (SIM)	38.0	2.0	µg/L	50.0		75.9	40-140	11.4		20		
Fluoranthene (SIM)	35.3	10	µg/L	50.0		70.5	40-140	18.2		20		
Fluorene (SIM)	36.0	20	µg/L	50.0		72.1	40-140	17.5		20		
Indeno(1,2,3-cd)pyrene (SIM)	37.3	2.0	µg/L	50.0		74.6	40-140	12.3		20		‡
2-Methylnaphthalene (SIM)	31.3	20	µg/L	50.0		62.6	40-140	14.1		20		
Naphthalene (SIM)	32.4	20	µg/L	50.0		64.8	40-140	15.5		20		
Phenanthrene (SIM)	37.1	1.0	µg/L	50.0		74.2	40-140	12.2		20		
Pyrene (SIM)	34.4	20	µg/L	50.0		68.7	40-140	**29.2**	*	20	R-05	
Surrogate: Nitrobenzene-d5	*64.4*		µg/L	100		64.4	30-130					
Surrogate: Nitrobenzene-d5 (SIM)	*63.9*		µg/L	100		63.9	30-130					
Surrogate: 2-Fluorobiphenyl	*63.0*		µg/L	100		63.0	30-130					
Surrogate: 2-Fluorobiphenyl (SIM)	*61.1*		µg/L	100		61.1	30-130					
Surrogate: p-Terphenyl-d14	*60.8*		µg/L	100		60.8	30-130					
Surrogate: p-Terphenyl-d14 (SIM)	*58.5*		µg/L	100		58.5	30-130					
Batch B248824 - SW-846 3510C												
Blank (B248824-BLK1)				Prepared & Analyzed: 12/20/19								
Acenaphthene (SIM)	ND	0.30	µg/L									
Acenaphthylene (SIM)	ND	0.30	µg/L									
Anthracene (SIM)	ND	0.20	µg/L									
Benzo(a)anthracene (SIM)	ND	0.050	µg/L									
Benzo(a)pyrene (SIM)	ND	0.10	µg/L									
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L									
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L									
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L									
Chrysene (SIM)	ND	0.20	µg/L									
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L									
Fluoranthene (SIM)	ND	0.50	µg/L									
Fluorene (SIM)	ND	1.0	µg/L									
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L									
2-Methylnaphthalene (SIM)	ND	1.0	µg/L									
Naphthalene (SIM)	ND	1.0	µg/L									

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B248824 - SW-846 3510C										
Blank (B248824-BLK1)				Prepared & Analyzed: 12/20/19						
Pentachlorophenol (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							R-05
Surrogate: 2-Fluorophenol	*83.8*		µg/L	200		41.9	15-110			
Surrogate: Phenol-d6	*62.2*		µg/L	200		31.1	15-110			
Surrogate: Nitrobenzene-d5	*63.3*		µg/L	100		63.3	30-130			
Surrogate: 2-Fluorobiphenyl	*65.5*		µg/L	100		65.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*164*		µg/L	200		82.2	15-110			
Surrogate: p-Terphenyl-d14	*67.2*		µg/L	100		67.2	30-130			
LCS (B248824-BS1)				Prepared & Analyzed: 12/20/19						
Acenaphthene (SIM)	40.2	6.0	µg/L	50.0		80.4	40-140			
Acenaphthylene (SIM)	40.3	6.0	µg/L	50.0		80.6	40-140			
Anthracene (SIM)	42.8	4.0	µg/L	50.0		85.6	40-140			
Benzo(a)anthracene (SIM)	40.6	1.0	µg/L	50.0		81.2	40-140			
Benzo(a)pyrene (SIM)	41.1	2.0	µg/L	50.0		82.3	40-140			
Benzo(b)fluoranthene (SIM)	44.1	1.0	µg/L	50.0		88.2	40-140			
Benzo(g,h,i)perylene (SIM)	40.5	10	µg/L	50.0		81.0	40-140			
Benzo(k)fluoranthene (SIM)	43.1	4.0	µg/L	50.0		86.2	40-140			
Chrysene (SIM)	40.6	4.0	µg/L	50.0		81.2	40-140			
Dibenz(a,h)anthracene (SIM)	41.3	4.0	µg/L	50.0		82.6	40-140			
Fluoranthene (SIM)	37.7	10	µg/L	50.0		75.4	40-140			
Fluorene (SIM)	41.7	20	µg/L	50.0		83.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	41.1	4.0	µg/L	50.0		82.2	40-140			
2-Methylnaphthalene (SIM)	44.2	20	µg/L	50.0		88.5	40-140			
Naphthalene (SIM)	37.3	20	µg/L	50.0		74.7	40-140			
Pentachlorophenol (SIM)	30.2	20	µg/L	50.0		60.4	40-140			
Phenanthrene (SIM)	41.1	1.0	µg/L	50.0		82.1	40-140			
Pyrene (SIM)	36.2	20	µg/L	50.0		72.4	40-140			R-05
Surrogate: 2-Fluorophenol	*96.0*		µg/L	200		48.0	15-110			
Surrogate: Phenol-d6	*73.9*		µg/L	200		36.9	15-110			
Surrogate: Nitrobenzene-d5	*79.3*		µg/L	100		79.3	30-130			
Surrogate: 2-Fluorobiphenyl	*77.0*		µg/L	100		77.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*151*		µg/L	200		75.3	15-110			
Surrogate: p-Terphenyl-d14	*64.1*		µg/L	100		64.1	30-130			
LCS Dup (B248824-BSD1)				Prepared & Analyzed: 12/20/19						
Acenaphthene (SIM)	39.9	6.0	µg/L	50.0		79.8	40-140	0.699	20	
Acenaphthylene (SIM)	39.8	6.0	µg/L	50.0		79.7	40-140	1.15	20	
Anthracene (SIM)	42.3	4.0	µg/L	50.0		84.6	40-140	1.18	20	
Benzo(a)anthracene (SIM)	40.1	1.0	µg/L	50.0		80.3	40-140	1.09	20	
Benzo(a)pyrene (SIM)	40.8	2.0	µg/L	50.0		81.5	40-140	0.928	20	
Benzo(b)fluoranthene (SIM)	43.8	1.0	µg/L	50.0		87.7	40-140	0.637	20	
Benzo(g,h,i)perylene (SIM)	40.0	10	µg/L	50.0		80.1	40-140	1.19	20	
Benzo(k)fluoranthene (SIM)	42.9	4.0	µg/L	50.0		85.9	40-140	0.418	20	
Chrysene (SIM)	40.8	4.0	µg/L	50.0		81.5	40-140	0.443	20	
Dibenz(a,h)anthracene (SIM)	40.8	4.0	µg/L	50.0		81.6	40-140	1.12	20	
Fluoranthene (SIM)	41.3	10	µg/L	50.0		82.6	40-140	9.12	20	
Fluorene (SIM)	41.1	20	µg/L	50.0		82.2	40-140	1.35	20	
Indeno(1,2,3-cd)pyrene (SIM)	40.6	4.0	µg/L	50.0		81.3	40-140	1.13	20	‡
2-Methylnaphthalene (SIM)	46.8	20	µg/L	50.0		93.6	40-140	5.62	20	
Naphthalene (SIM)	37.8	20	µg/L	50.0		75.7	40-140	1.33	20	
Pentachlorophenol (SIM)	28.3	20	µg/L	50.0		56.6	40-140	6.49	20	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B248824 - SW-846 3510C											
LCS Dup (B248824-BSD1)				Prepared & Analyzed: 12/20/19							
Phenanthrene (SIM)	40.9	1.0	µg/L	50.0		81.7	40-140	0.488		20	
Pyrene (SIM)	45.2	20	µg/L	50.0		90.4	40-140	**22.1**	*	20	R-05
Surrogate: 2-Fluorophenol	*92.1*		µg/L	200		46.1	15-110				
Surrogate: Phenol-d6	*69.3*		µg/L	200		34.6	15-110				
Surrogate: Nitrobenzene-d5	*81.4*		µg/L	100		81.4	30-130				
Surrogate: 2-Fluorobiphenyl	*74.7*		µg/L	100		74.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*150*		µg/L	200		75.0	15-110				
Surrogate: p-Terphenyl-d14	*67.2*		µg/L	100		67.2	30-130				

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B248651 - SW-846 3510C										
Blank (B248651-BLK1)				Prepared: 12/19/19 Analyzed: 12/20/19						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*0.848*		µg/L	2.00		42.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.871*		µg/L	2.00		43.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.692*		µg/L	2.00		34.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.681*		µg/L	2.00		34.1	30-150			
LCS (B248651-BS1)				Prepared: 12/19/19 Analyzed: 12/20/19						
Aroclor-1016	0.41	0.20	µg/L	0.500		81.5	40-140			
Aroclor-1016 [2C]	0.40	0.20	µg/L	0.500		80.5	40-140			
Aroclor-1260	0.41	0.20	µg/L	0.500		81.8	40-140			
Aroclor-1260 [2C]	0.39	0.20	µg/L	0.500		78.3	40-140			
Surrogate: Decachlorobiphenyl	*1.80*		µg/L	2.00		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.87*		µg/L	2.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.45*		µg/L	2.00		72.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.42*		µg/L	2.00		71.1	30-150			
LCS Dup (B248651-BSD1)				Prepared: 12/19/19 Analyzed: 12/20/19						
Aroclor-1016	0.39	0.20	µg/L	0.500		77.2	40-140	5.46	20	
Aroclor-1016 [2C]	0.37	0.20	µg/L	0.500		73.6	40-140	8.92	20	
Aroclor-1260	0.39	0.20	µg/L	0.500		77.2	40-140	5.81	20	
Aroclor-1260 [2C]	0.37	0.20	µg/L	0.500		73.9	40-140	5.85	20	
Surrogate: Decachlorobiphenyl	*1.64*		µg/L	2.00		82.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.71*		µg/L	2.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.37*		µg/L	2.00		68.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.35*		µg/L	2.00		67.5	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 B248669 - SW-846 3510C										
Blank (B248669-BLK1)				Prepared: 12/19/19 Analyzed: 12/23/19						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0789*		mg/L	0.100		78.9	50-150			
LCS (B248669-BS1)				Prepared: 12/19/19 Analyzed: 12/23/19						
CT ETPH	0.690	0.15	mg/L	1.00		69.0	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0664*		mg/L	0.100		66.4	50-150			
LCS Dup (B248669-BSD1)				Prepared: 12/19/19 Analyzed: 12/23/19						
CT ETPH	0.705	0.15	mg/L	1.00		70.5	60-120	2.24	30	
Surrogate: 2-Fluorobiphenyl	*0.0716*		mg/L	0.100		71.6	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 B248691 - SW-846 7470A Prep										
Blank (B248691-BLK1)				Prepared: 12/19/19 Analyzed: 12/20/19						
Mercury	ND	0.00010	mg/L							
LCS (B248691-BS1)				Prepared: 12/19/19 Analyzed: 12/20/19						
Mercury	0.00382	0.00010	mg/L	0.00400		95.6	80-120			
LCS Dup (B248691-BSD1)				Prepared: 12/19/19 Analyzed: 12/20/19						
Mercury	0.00422	0.00010	mg/L	0.00400		105	80-120	9.84	20	
Batch B248797 - SW-846 3005A										
Blank (B248797-BLK1)				Prepared: 12/20/19 Analyzed: 12/23/19						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B248797-BS1)				Prepared: 12/20/19 Analyzed: 12/23/19						
Arsenic	488	8.0	µg/L	500		97.5	80-120			
Barium	494	100	µg/L	500		98.8	80-120			
Cadmium	506	2.0	µg/L	500		101	80-120			
Chromium	479	10	µg/L	500		95.8	80-120			
Lead	493	5.0	µg/L	500		98.7	80-120			
Selenium	516	50	µg/L	500		103	80-120			
Silver	486	2.0	µg/L	500		97.2	80-120			
LCS Dup (B248797-BSD1)				Prepared: 12/20/19 Analyzed: 12/23/19						
Arsenic	484	8.0	µg/L	500		96.9	80-120	0.672	20	
Barium	495	100	µg/L	500		99.0	80-120	0.138	20	
Cadmium	510	2.0	µg/L	500		102	80-120	0.771	20	
Chromium	480	10	µg/L	500		96.0	80-120	0.263	20	
Lead	493	5.0	µg/L	500		98.7	80-120	0.00703	20	
Selenium	508	50	µg/L	500		102	80-120	1.64	20	
Silver	490	2.0	µg/L	500		98.0	80-120	0.801	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B248651-BS1 Date(s) Analyzed: 12/20/2019 12/20/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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	0.41	
	2	0.000	0.000	0.000	0.40	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.39	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B248651-BSD1 Date(s) Analyzed: 12/20/2019 12/20/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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	0.39	
	2	0.000	0.000	0.000	0.37	5.3
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.37	5.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8260C-D 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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	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-D in Water	
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-E in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Water	
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
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 - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

con-test ANALYTICAL LABORATORY

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

MMK

1910801

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

(1)

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 = 10908492
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Weston & Sampson (Jeff Willson)
Sampled By:	Will Sirotnak

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PCBs	CT ETPH	SVOCs (incl. PCP) *1	Total RCRA 8 Metals	PAHs *1						
	# of Containers							3	2	2	2	1	2						
	[2] Preservation Code							H	I	I	I	N	I						
	[3] Container Code							V	A	A	A	P	A						
1	MW-16	12/16/19	1245		X	GW	U			X	X								
2	MW-6		1200					X		X			X						
3	MW-203		1110						X										
4	MW-CCA4		920							X	X								
5	MW-107		1000					X	X	X		X							
6	Trip Blank		—					X											

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

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

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

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

Relinquished by: (signature)	Date/Time: 12/18/19
Received by: (signature)	Date/Time: 12/18/19 0900
Relinquished by: (signature)	Date/Time: 12/18/19 1850
Received by: (signature)	Date/Time: 12/18/19 1830
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.

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

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Doc# 277 Rev 5 2017

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

Client W+S

Received By BEL Date 12/18/19 Time 1830

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 # 2 Actual Temp - 2.8, 3.8

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

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

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

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid pH<2 Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	16	1 Liter Plastic		16 oz Amb.	
HCL-	3	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	1	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

limited volume for MW-102 ETPH and PCB

C:\MSDCHEM\4\DATA\D122319.SEC\D1223007.D

CT ETPH DISCRIMINATION CHECK

Data File Name D1223007.D
Data File Path C:\MSDCHEM\4\DATA\D122319.SEC\
Operator RMW
Date Acquired 12/23/2019 17:27
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.70	8354886	9325568	10
C-10	2.32	8574907	9325568	8
C-12	3.23	8881769	9325568	5
C-14	3.94	9253670	9325568	1
C-16	4.54	9492425	9325568	-2
C-18	5.09	9656118	9325568	-4
C-20	5.70	9696548	9325568	-4
C-22	6.44	9686818	9325568	-4
C-24	7.28	9656383	9325568	-4
C-26	8.08	9587521	9325568	-3
C-28	8.82	9552789	9325568	-2
C-30	9.50	9579854	9325568	-3
C-32	10.13	9365625	9325568	0
C-34	10.72	9381950	9325568	-1
C-36	11.30	9162257	9325568	2

Samples

19L0774-03
19L0774-05
19L0801-01
19L0801-05
19L0801-02
19L0801-04

*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: 19L0801

Laboratory Sample ID(s):
19L0801-01 thru 19L0801-06

Sample Date(s):
12/16/2019

List RCP Methods Used:

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

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

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

Lisa A. Worthington

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

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

Printed Name: Lisa A. Worthington **Date:** 12/26/19

Name of Laboratory: Con-Test Analytical Laboratory

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