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

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

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

Requirements for Transmittals through the SFT website:

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

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

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

Part II: Site Information

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

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

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

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

Part III: Document Information

Remediation - Monitoring Report
Date of Document: 5/6/2020

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

May 6, 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, 2020.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Robinson:

Groundwater Report – 1st Quarter 2020
Former Simsbury Area Work Center (Rem ID #4943)
34 Hopmeadow Street, Simsbury, CT

The Connecticut Light and Power Company dba Eversource Energy (Eversource) herein submits quarterly groundwater data for the Former Simsbury Area Work Center.

As documented in the most recent Annual Report (Reference 1), a modification to the groundwater sampling program was proposed by the Licensed Environmental Professional retained to provide verification for the investigation and remediation of this site pursuant to CGS Section 22a-133v (Reference 2). Based on this, samples were collected from sixteen (16) monitoring wells including MW-CCA-3, MW-CCA-4, MW-CCA-5, MW-2A, MW-4R, MW-6, MW-10, MW-11A, MW-101, MW-102, MW-202, MW-203, MW-310, MW-T3, MW-T6, and TRW-1, 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 six total petroleum hydrocarbon concentrations that were detected at or above 250 micrograms per liter in samples collected from monitoring wells MW-4R, MW-11A, MW-102, MW-310, MW-T3, and TRW-1.

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

Very truly yours,

Eversource

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

May 6, 2020

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: 20C0945

Enclosed are results of analyses for samples received by the laboratory on March 20, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Michelle M. Koch
Project Manager

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

REPORT DATE: 5/6/2020

PURCHASE ORDER NUMBER: 10908492

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20C0945

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4R	20C0945-01	Ground Water		CTDEP ETPH	
				SW-846 8260C-D	
				SW-846 8270D-E	
MW-2A	20C0945-02	Ground Water		CTDEP ETPH	
MW-6	20C0945-03	Ground Water		CTDEP ETPH	
MW-203	20C0945-04	Ground Water		CTDEP ETPH	
MW-102	20C0945-05	Ground Water		CTDEP ETPH	
				SW-846 8260C-D	
MW-T6	20C0945-06	Ground Water		CTDEP ETPH	
MW-T3	20C0945-07	Ground Water		CTDEP ETPH	
TRW-1	20C0945-08	Ground Water		CTDEP ETPH	
MW-101	20C0945-09	Ground Water		CTDEP ETPH	
				SW-846 8260C-D	
MW-202	20C0945-10	Ground Water		CTDEP ETPH	
MW-310	20C0945-11	Ground Water		CTDEP ETPH	
MW-CCA-4	20C0945-12	Soil		CTDEP ETPH	
				SW-846 8270D-E	
MW-CCA-3	20C0945-13	Ground Water		CTDEP ETPH	
				SW-846 8270D-E	
MW-10	20C0945-14	Ground Water		CTDEP ETPH	
MW-11A	20C0945-15	Ground Water		CTDEP ETPH	
MW-CCA-5	20C0945-16	Ground Water		CTDEP ETPH	
DUP-1	20C0945-17	Ground Water		CTDEP ETPH	
Trip Blank	20C0945-18	Trip Blank 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.

REVISED REPORT per client request changed IDs for samples -06, -12,-13, -15, -16 5/5/2020 mmk

For method 8270E, only PAHs were requested and reported.

SW-846 8260C-D

Qualifications:

L-17

Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
B254786-BS1

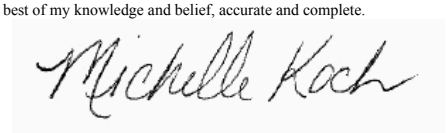
V-05

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
20C0945-01[MW-4R], 20C0945-05[MW-102], 20C0945-09[MW-101], 20C0945-18[Trip Blank], B254786-BLK1, B254786-BS1, S046900-CCV1

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.



Michelle M. Koch
Project Manager

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-4R | Sampled: 3/18/2020 09:45

Sample ID: 20C0945-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Chloroform	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-4R | Sampled: 3/18/2020 09:45

Sample ID: 20C0945-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		3/23/20 22:18
Toluene-d8	93.9	70-130		3/23/20 22:18
4-Bromofluorobenzene	86.8	70-130		3/23/20 22:18

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-4R | Sampled: 3/18/2020 09:45

Sample ID: 20C0945-01

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	0.29	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.098	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Fluorene (SIM)	ND	0.98	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR
Pyrene (SIM)	ND	0.98	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:19	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	68.7	30-130		3/26/20 12:19
2-Fluorobiphenyl	62.3	30-130		3/26/20 12:19
p-Terphenyl-d14	61.2	30-130		3/26/20 12:19

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Project Location: Simsbury, CT
Sample Description:
Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-4R
Sampled: 3/18/2020 09:45

Sample ID: 20C0945-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.29	0.15	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 6:18	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	65.2	50-150				3/27/20 6:18	

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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: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-2A | Sampled: 3/18/2020 10:20

Sample ID: 20C0945-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 6:38	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	74.0	50-150				3/27/20 6:38	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-6 | Sampled: 3/18/2020 10:50

Sample ID: 20C0945-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 10:02	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	64.7	50-150				3/27/20 10:02	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-203 | Sampled: 3/18/2020 11:20

Sample ID: 20C0945-04

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	3/25/20	3/27/20 10:22	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	71.2	50-150				3/27/20 10:22	

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: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-102 | Sampled: 3/18/2020 11:30

Sample ID: 20C0945-05

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	3/23/20	3/23/20 22:41	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Chloroform	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF

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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: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-102 | Sampled: 3/18/2020 11:30

Sample ID: 20C0945-05

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	3/23/20	3/23/20 22:41	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 22:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		3/23/20 22:41
Toluene-d8	93.2	70-130		3/23/20 22:41
4-Bromofluorobenzene	86.1	70-130		3/23/20 22:41

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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: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-102 | Sampled: 3/18/2020 11:30

Sample ID: 20C0945-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.25	0.15	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 0:53	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	70.8	50-150				3/27/20 0:53	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-T6 | Sampled: 3/18/2020 12:15

Sample ID: 20C0945-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	3/25/20	3/26/20 23:11	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	78.9	50-150				3/26/20 23:11	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-T3 | Sampled: 3/18/2020 12:45

Sample ID: 20C0945-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3.4	0.29	mg/L	2		CTDEP ETPH	3/25/20	3/27/20 11:23	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	69.3	50-150		3/27/20 11:23

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: TRW-1 | Sampled: 3/18/2020 13:10

Sample ID: 20C0945-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.64	0.15	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 5:37	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	73.5	50-150				3/27/20 5:37	

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: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-101 | Sampled: 3/18/2020 13:50

Sample ID: 20C0945-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Chloroform	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF

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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: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-101 | Sampled: 3/18/2020 13:50

Sample ID: 20C0945-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 23:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		3/23/20 23:05
Toluene-d8	93.9	70-130		3/23/20 23:05
4-Bromofluorobenzene	87.2	70-130		3/23/20 23:05

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-101 | Sampled: 3/18/2020 13:50

Sample ID: 20C0945-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.20	0.15	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 1:13	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	73.2	50-150				3/27/20 1:13	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-202 | Sampled: 3/18/2020 14:15

Sample ID: 20C0945-10

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 5:58	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	72.5	50-150		3/27/20 5:58

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-310 | Sampled: 3/19/2020 10:40

Sample ID: 20C0945-11

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	7.7	0.74	mg/L	5		CTDEP ETPH	3/26/20	3/29/20 0:12	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	74.1	50-150				3/29/20 0:12	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-CCA-4 | Sampled: 3/19/2020 11:20

Sample ID: 20C0945-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.48	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Fluoranthene (SIM)	ND	0.48	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Fluorene (SIM)	ND	0.96	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
2-Methylnaphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Naphthalene (SIM)	ND	0.96	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR
Pyrene (SIM)	ND	0.96	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 12:42	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	75.5	30-130		3/26/20 12:42
2-Fluorobiphenyl	69.3	30-130		3/26/20 12:42
p-Terphenyl-d14	77.7	30-130		3/26/20 12:42

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-CCA-4 | Sampled: 3/19/2020 11:20

Sample ID: 20C0945-12

Sample Matrix: Soil

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	3/26/20	3/27/20 22:04	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	76.7	50-150				3/27/20 22:04	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-CCA-3 | Sampled: 3/19/2020 12:00

Sample ID: 20C0945-13

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	0.32	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Acenaphthylene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Anthracene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Benzo(a)anthracene (SIM)	ND	0.053	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Benzo(a)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Benzo(b)fluoranthene (SIM)	ND	0.053	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.53	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Benzo(k)fluoranthene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Chrysene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.11	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Fluoranthene (SIM)	ND	0.53	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Fluorene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
2-Methylnaphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Naphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Phenanthrene (SIM)	ND	0.053	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR
Pyrene (SIM)	ND	1.1	µg/L	1		SW-846 8270D-E	3/25/20	3/26/20 13:05	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	79.2	30-130		3/26/20 13:05
2-Fluorobiphenyl	67.7	30-130		3/26/20 13:05
p-Terphenyl-d14	65.2	30-130		3/26/20 13:05

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-CCA-3 | Sampled: 3/19/2020 12:00

Sample ID: 20C0945-13

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	3/26/20	3/27/20 22:24	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	77.5	50-150				3/27/20 22:24	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-10 | Sampled: 3/19/2020 13:20

Sample ID: 20C0945-14

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.17	0.15	mg/L	1		CTDEP ETPH	3/26/20	3/27/20 22:44	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	80.0	50-150				3/27/20 22:44	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-11A | Sampled: 3/19/2020 13:40

Sample ID: 20C0945-15

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.47	0.15	mg/L	1		CTDEP ETPH	3/26/20	3/27/20 23:45	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	65.3	50-150				3/27/20 23:45	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: MW-CCA-5 | Sampled: 3/19/2020 14:15

Sample ID: 20C0945-16

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	3/26/20	3/27/20 23:05	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	68.7	50-150				3/27/20 23:05	

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: DUP-1 | Sampled: 3/19/2020 00:00

Sample ID: 20C0945-17

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.16	mg/L	1		CTDEP ETPH	3/25/20	3/27/20 3:35	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	72.0	50-150				3/27/20 3:35	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: Trip Blank | Sampled: 3/18/2020 00:00

Sample ID: 20C0945-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Chloroform	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-05	SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20C0945

Date Received: 3/20/2020

Field Sample #: Trip Blank | Sampled: 3/18/2020 00:00

Sample ID: 20C0945-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/23/20	3/23/20 21:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		3/23/20 21:07
Toluene-d8	91.4	70-130		3/23/20 21:07
4-Bromofluorobenzene	88.8	70-130		3/23/20 21:07

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20C0945-01 [MW-4R]	B254950	1010	1.00	03/25/20
20C0945-02 [MW-2A]	B254950	1010	1.00	03/25/20
20C0945-03 [MW-6]	B254950	1020	1.00	03/25/20
20C0945-04 [MW-203]	B254950	1000	1.00	03/25/20
20C0945-05 [MW-102]	B254950	990	1.00	03/25/20
20C0945-06 [MW-T6]	B254950	1060	1.00	03/25/20
20C0945-07 [MW-T3]	B254950	1040	1.00	03/25/20
20C0945-08 [TRW-1]	B254950	1000	1.00	03/25/20
20C0945-09 [MW-101]	B254950	1010	1.00	03/25/20
20C0945-10 [MW-202]	B254950	1040	1.00	03/25/20
20C0945-17 [DUP-1]	B254950	955	1.00	03/25/20

Prep Method: SW-846 3510C **Analytical Method: CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20C0945-11 [MW-310]	B255088	1010	1.00	03/26/20
20C0945-12 [MW-CCA-4]	B255088	1000	1.00	03/26/20
20C0945-13 [MW-CCA-3]	B255088	980	1.00	03/26/20
20C0945-14 [MW-10]	B255088	970	1.00	03/26/20
20C0945-15 [MW-11A]	B255088	1000	1.00	03/26/20
20C0945-16 [MW-CCA-5]	B255088	1030	1.00	03/26/20

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20C0945-01 [MW-4R]	B254786	5	5.00	03/23/20
20C0945-05 [MW-102]	B254786	5	5.00	03/23/20
20C0945-09 [MW-101]	B254786	5	5.00	03/23/20
20C0945-18 [Trip Blank]	B254786	5	5.00	03/23/20

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20C0945-01 [MW-4R]	B255119	1020	1.00	03/25/20
20C0945-12 [MW-CCA-4]	B255119	1040	1.00	03/25/20
20C0945-13 [MW-CCA-3]	B255119	945	1.00	03/25/20

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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 B254786 - SW-846 5030B										
Blank (B254786-BLK1)				Prepared & Analyzed: 03/23/20						
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							V-05
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B254786 - SW-846 5030B										
Blank (B254786-BLK1)				Prepared & Analyzed: 03/23/20						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	*23.4*		µg/L	25.0		93.6	70-130			
Surrogate: 4-Bromofluorobenzene	*21.6*		µg/L	25.0		86.3	70-130			
LCS (B254786-BS1)				Prepared & Analyzed: 03/23/20						
Acetone	84.4	10	µg/L	100		84.4	40-160			
Acrylonitrile	10.7	2.0	µg/L	10.0		107	70-130			
Benzene	11.5	0.50	µg/L	10.0		115	70-130			
Bromobenzene	10.3	0.50	µg/L	10.0		103	70-130			
Bromodichloromethane	9.09	0.50	µg/L	10.0		90.9	70-130			
Bromoform	9.02	0.50	µg/L	10.0		90.2	70-130			
Bromomethane	10.4	1.0	µg/L	10.0		104	40-160			
2-Butanone (MEK)	108	5.0	µg/L	100		108	40-160			
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
sec-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
Carbon Disulfide	101	5.0	µg/L	100		101	70-130			
Carbon Tetrachloride	8.99	0.50	µg/L	10.0		89.9	70-130			
Chlorobenzene	10.5	0.50	µg/L	10.0		105	70-130			
Chlorodibromomethane	8.80	0.50	µg/L	10.0		88.0	40-160			
Chloroethane	9.02	0.50	µg/L	10.0		90.2	70-130			
Chloroform	10.5	0.50	µg/L	10.0		105	70-130			
Chloromethane	9.56	0.60	µg/L	10.0		95.6	40-160			
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104	70-130			
4-Chlorotoluene	10.7	0.50	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.16	1.0	µg/L	10.0		81.6	70-130			
1,2-Dibromoethane (EDB)	9.77	0.50	µg/L	10.0		97.7	70-130			
Dibromomethane	8.81	0.50	µg/L	10.0		88.1	70-130			
1,2-Dichlorobenzene	9.82	0.50	µg/L	10.0		98.2	70-130			
1,3-Dichlorobenzene	10.5	0.50	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
trans-1,4-Dichloro-2-butene	7.84	2.0	µg/L	10.0		78.4	70-130			
Dichlorodifluoromethane (Freon 12)	6.77	0.50	µg/L	10.0		67.7	40-160			L-17, V-05
1,1-Dichloroethane	11.1	0.50	µg/L	10.0		111	70-130			
1,2-Dichloroethane	7.84	0.50	µg/L	10.0		78.4	70-130			
1,1-Dichloroethylene	9.80	0.50	µg/L	10.0		98.0	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 B254786 - SW-846 5030B										
LCS (B254786-BS1)				Prepared & Analyzed: 03/23/20						
cis-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,3-Dichloropropane	9.73	0.50	µg/L	10.0		97.3	70-130			
2,2-Dichloropropane	9.40	0.50	µg/L	10.0		94.0	70-130			
1,1-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
cis-1,3-Dichloropropene	9.30	0.50	µg/L	10.0		93.0	70-130			
trans-1,3-Dichloropropene	8.72	0.50	µg/L	10.0		87.2	70-130			
Ethylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
Hexachlorobutadiene	9.37	0.60	µg/L	10.0		93.7	40-160			
2-Hexanone (MBK)	83.2	5.0	µg/L	100		83.2	70-130			
Isopropylbenzene (Cumene)	9.24	0.50	µg/L	10.0		92.4	70-130			
p-Isopropyltoluene (p-Cymene)	9.15	0.50	µg/L	10.0		91.5	70-130			
Methyl tert-Butyl Ether (MTBE)	9.60	0.50	µg/L	10.0		96.0	70-130			
Methylene Chloride	10.6	5.0	µg/L	10.0		106	70-130			
4-Methyl-2-pentanone (MIBK)	90.0	5.0	µg/L	100		90.0	40-160			
Naphthalene	10.0	2.0	µg/L	10.0		100	70-130			
n-Propylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130			
Styrene	9.56	1.0	µg/L	10.0		95.6	70-130			
1,1,1,2-Tetrachloroethane	9.64	0.50	µg/L	10.0		96.4	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
Tetrahydrofuran	9.81	10	µg/L	10.0		98.1	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.53	1.0	µg/L	10.0		95.3	70-130			
1,2,4-Trichlorobenzene	9.10	0.50	µg/L	10.0		91.0	70-130			
1,1,1-Trichloroethane	9.74	0.50	µg/L	10.0		97.4	70-130			
1,1,2-Trichloroethane	9.54	0.50	µg/L	10.0		95.4	70-130			
Trichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130			
Trichlorofluoromethane (Freon 11)	8.09	2.0	µg/L	10.0		80.9	40-160			
1,2,3-Trichloropropane	9.78	0.50	µg/L	10.0		97.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	0.50	µg/L	10.0		102	70-130			
1,2,4-Trimethylbenzene	9.61	0.50	µg/L	10.0		96.1	70-130			
1,3,5-Trimethylbenzene	9.35	0.50	µg/L	10.0		93.5	70-130			
Vinyl Chloride	9.05	1.0	µg/L	10.0		90.5	70-130			
m+p Xylene	20.7	2.0	µg/L	20.0		103	70-130			
o-Xylene	9.94	1.0	µg/L	10.0		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/L	25.0		90.9	70-130			
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.2	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 B255119 - SW-846 3510C										
Blank (B255119-BLK1)				Prepared: 03/25/20 Analyzed: 03/26/20						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*77.4*		µg/L	100		77.4	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*76.5*		µg/L	100		76.5	30-130			
Surrogate: 2-Fluorobiphenyl	*69.4*		µg/L	100		69.4	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*60.5*		µg/L	100		60.5	30-130			
Surrogate: p-Terphenyl-d14	*72.4*		µg/L	100		72.4	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*61.1*		µg/L	100		61.1	30-130			
LCS (B255119-BS1)				Prepared: 03/25/20 Analyzed: 03/26/20						
Acenaphthene (SIM)	38.6	6.0	µg/L	50.0		77.1	40-140			
Acenaphthylene (SIM)	39.7	4.0	µg/L	50.0		79.4	40-140			
Anthracene (SIM)	43.5	4.0	µg/L	50.0		87.0	40-140			
Benzo(a)anthracene (SIM)	41.9	1.0	µg/L	50.0		83.7	40-140			
Benzo(a)pyrene (SIM)	40.1	2.0	µg/L	50.0		80.2	40-140			
Benzo(b)fluoranthene (SIM)	43.1	1.0	µg/L	50.0		86.2	40-140			
Benzo(g,h,i)perylene (SIM)	36.0	10	µg/L	50.0		72.0	40-140			
Benzo(k)fluoranthene (SIM)	44.9	4.0	µg/L	50.0		89.8	40-140			
Chrysene (SIM)	38.7	4.0	µg/L	50.0		77.3	40-140			
Dibenz(a,h)anthracene (SIM)	40.6	2.0	µg/L	50.0		81.1	40-140			
Fluoranthene (SIM)	40.8	10	µg/L	50.0		81.7	40-140			
Fluorene (SIM)	40.3	20	µg/L	50.0		80.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	41.8	2.0	µg/L	50.0		83.6	40-140			
2-Methylnaphthalene (SIM)	37.0	20	µg/L	50.0		73.9	40-140			
Naphthalene (SIM)	34.9	20	µg/L	50.0		69.8	40-140			
Phenanthrene (SIM)	40.8	1.0	µg/L	50.0		81.6	40-140			
Pyrene (SIM)	39.7	20	µg/L	50.0		79.4	40-140			
Surrogate: Nitrobenzene-d5	*77.4*		µg/L	100		77.4	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*79.9*		µg/L	100		79.9	30-130			
Surrogate: 2-Fluorobiphenyl	*70.6*		µg/L	100		70.6	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*76.6*		µg/L	100		76.6	30-130			
Surrogate: p-Terphenyl-d14	*60.4*		µg/L	100		60.4	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*67.2*		µg/L	100		67.2	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B255119 - SW-846 3510C										
LCS Dup (B255119-BSD1)				Prepared: 03/25/20 Analyzed: 03/26/20						
Acenaphthene (SIM)	34.9	6.0	µg/L	50.0		69.8	40-140	9.91	20	
Acenaphthylene (SIM)	35.7	4.0	µg/L	50.0		71.4	40-140	10.6	20	
Anthracene (SIM)	40.3	4.0	µg/L	50.0		80.5	40-140	7.74	20	
Benzo(a)anthracene (SIM)	39.0	1.0	µg/L	50.0		78.0	40-140	7.13	20	
Benzo(a)pyrene (SIM)	37.2	2.0	µg/L	50.0		74.4	40-140	7.51	20	
Benzo(b)fluoranthene (SIM)	40.5	1.0	µg/L	50.0		80.9	40-140	6.37	20	
Benzo(g,h,i)perylene (SIM)	36.8	10	µg/L	50.0		73.5	40-140	2.09	20	
Benzo(k)fluoranthene (SIM)	42.6	4.0	µg/L	50.0		85.3	40-140	5.12	20	
Chrysene (SIM)	36.7	4.0	µg/L	50.0		73.4	40-140	5.15	20	
Dibenz(a,h)anthracene (SIM)	40.5	2.0	µg/L	50.0		81.0	40-140	0.0987	20	
Fluoranthene (SIM)	38.0	10	µg/L	50.0		76.0	40-140	7.26	20	
Fluorene (SIM)	36.2	20	µg/L	50.0		72.3	40-140	10.7	20	
Indeno(1,2,3-cd)pyrene (SIM)	41.6	2.0	µg/L	50.0		83.2	40-140	0.479	20	
2-Methylnaphthalene (SIM)	32.4	20	µg/L	50.0		64.9	40-140	13.0	20	
Naphthalene (SIM)	30.6	20	µg/L	50.0		61.2	40-140	13.1	20	
Phenanthrene (SIM)	38.2	1.0	µg/L	50.0		76.4	40-140	6.58	20	
Pyrene (SIM)	37.1	20	µg/L	50.0		74.3	40-140	6.71	20	
Surrogate: Nitrobenzene-d5	*65.7*		µg/L	100		65.7	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*69.4*		µg/L	100		69.4	30-130			
Surrogate: 2-Fluorobiphenyl	*61.7*		µg/L	100		61.7	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*69.3*		µg/L	100		69.3	30-130			
Surrogate: p-Terphenyl-d14	*55.0*		µg/L	100		55.0	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*61.2*		µg/L	100		61.2	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B254950 - SW-846 3510C										
Blank (B254950-BLK1)				Prepared: 03/25/20 Analyzed: 03/26/20						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0650*		mg/L	0.100		65.0	50-150			
LCS (B254950-BS1)				Prepared: 03/25/20 Analyzed: 03/26/20						
CT ETPH	0.634	0.15	mg/L	1.00		63.4	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0683*		mg/L	0.100		68.3	50-150			
LCS Dup (B254950-BSD1)				Prepared: 03/25/20 Analyzed: 03/26/20						
CT ETPH	0.655	0.15	mg/L	1.00		65.5	60-120	3.32	30	
Surrogate: 2-Fluorobiphenyl	*0.0721*		mg/L	0.100		72.1	50-150			
Batch B255088 - SW-846 3510C										
Blank (B255088-BLK1)				Prepared: 03/26/20 Analyzed: 03/27/20						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0737*		mg/L	0.100		73.7	50-150			
LCS (B255088-BS1)				Prepared: 03/26/20 Analyzed: 03/27/20						
CT ETPH	0.709	0.15	mg/L	1.00		70.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0796*		mg/L	0.100		79.6	50-150			
LCS Dup (B255088-BSD1)				Prepared: 03/26/20 Analyzed: 03/27/20						
CT ETPH	0.651	0.15	mg/L	1.00		65.1	60-120	8.44	30	
Surrogate: 2-Fluorobiphenyl	*0.0721*		mg/L	0.100		72.1	50-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-17	Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side 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 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
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME

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	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
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

C:\MSDCHEM\4\DATA\D032620\D0326072.D

CT ETPH DISCRIMINATION CHECK

Data File Name	D0326072.D
Data File Path	C:\MSDCHEM\4\DATA\D032620\
Operator	RDD
Date Acquired	3/27/1920 8:19
Acq. Method File	EPH11D.M
Sample Name	ETPH 1500
Instrument Name	GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.39	8401294	8614284	2
C-10	2.12	8574581	8614284	0
C-12	3.11	8697661	8614284	-1
C-14	3.83	8790615	8614284	-2
C-16	4.45	8872660	8614284	-3
C-18	5.00	9036023	8614284	-5
C-20	5.58	9085525	8614284	-5
C-22	6.30	9109448	8614284	-6
C-24	7.13	9093486	8614284	-6
C-26	7.94	9005888	8614284	-5
C-28	8.68	9017103	8614284	-5
C-30	9.37	8883781	8614284	-3
C-32	10.01	8312362	8614284	4
C-34	10.61	7554482	8614284	12
C-36	11.17	6779356	8614284	21

Samples

20C0945-03
20C0945-04
20C0945-07@2X

*One compound allowed %D</=50%

C:\MSDCHEM\4\DATA\D032620\D0326008.D

CT ETPH DISCRIMINATION CHECK

Data File Name	D0326008.D
Data File Path	C:\MSDCHEM\4\DATA\D032620\
Operator	RDD
Date Acquired	3/26/1920 21:31
Acq. Method File	EPH11D.M
Sample Name	ETPH 1500
Instrument Name	GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.39	8082504	8802287	8
C-10	2.12	8282484	8802287	6
C-12	3.11	8557358	8802287	3
C-14	3.84	8788296	8802287	0
C-16	4.45	8977161	8802287	-2
C-18	5.00	9212044	8802287	-5
C-20	5.58	9291206	8802287	-6
C-22	6.31	9379299	8802287	-7
C-24	7.14	9470041	8802287	-8
C-26	7.95	9446124	8802287	-7
C-28	8.70	9512813	8802287	-8
C-30	9.38	9357278	8802287	-6
C-32	10.02	8741739	8802287	1
C-34	10.62	7900059	8802287	10
C-36	11.19	7035900	8802287	20

Samples

20C0945-06
20C0986-06
20C0986-07
20C0986-08
20C0986-09
20C0945-05
20C0945-09

*One compound allowed %D</=50%

C:\MSDCHEM\4\DATA\D032620\D0326040.D

CT ETPH DISCRIMINATION CHECK

Data File Name	D0326040.D
Data File Path	C:\MSDCHEM\4\DATA\D032620\
Operator	RDD
Date Acquired	3/27/1920 2:55
Acq. Method File	EPH11D.M
Sample Name	ETPH 1500
Instrument Name	GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.39	7599858	8051569	6
C-10	2.12	7743796	8051569	4
C-12	3.11	7883192	8051569	2
C-14	3.83	8012720	8051569	0
C-16	4.45	8134761	8051569	-1
C-18	5.00	8341891	8051569	-4
C-20	5.58	8412866	8051569	-4
C-22	6.31	8511275	8051569	-6
C-24	7.13	8624635	8051569	-7
C-26	7.94	8618932	8051569	-7
C-28	8.69	8676481	8051569	-8
C-30	9.38	8548683	8051569	-6
C-32	10.01	7998168	8051569	1
C-34	10.61	7226339	8051569	10
C-36	11.18	6439930	8051569	20

Samples

20C0945-17
20C0986-01
20C0986-02
20C0986-04
20C0986-03
20C0986-05
20C0945-08
20C0945-10
20C0945-01
20C0945-02

*One compound allowed %D</=50%

C:\MSDCHEM\4\DATA\D032720.SEC\D0327049.D

CT ETPH DISCRIMINATION CHECK

Data File Name D0327049.D
Data File Path C:\MSDCHEM\4\DATA\D032720.SEC\
Operator RDD
Date Acquired 3/27/1920 21:43
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.54	9726986	11216872	13
C-10	2.22	9992745	11216872	11
C-12	3.18	10309935	11216872	8
C-14	3.89	10620001	11216872	5
C-16	4.50	10941803	11216872	2
C-18	5.04	11311531	11216872	-1
C-20	5.64	11495319	11216872	-2
C-22	6.37	11687660	11216872	-4
C-24	7.20	11891281	11216872	-6
C-26	8.01	11946859	11216872	-7
C-28	8.75	12065229	11216872	-8
C-30	9.43	12017197	11216872	-7
C-32	10.06	11722806	11216872	-5
C-34	10.66	11490432	11216872	-2
C-36	11.23	11033300	11216872	2

Samples

20C0945-12
20C0945-13
20C0945-14
20C0945-16
20C0945-15

*One compound allowed %D</=50%

C:\MSDCHEM\4\DATA\D032820.SEC\D0328051.D

CT ETPH DISCRIMINATION CHECK

Data File Name D0328051.D
Data File Path C:\MSDCHEM\4\DATA\D032820.SEC\
Operator RDD
Date Acquired 3/28/1920 23:52
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.55	10509582	11671446	10
C-10	2.23	10836537	11671446	7
C-12	3.17	11229785	11671446	4
C-14	3.89	11547312	11671446	1
C-16	4.50	11786617	11671446	-1
C-18	5.04	12129225	11671446	-4
C-20	5.63	12238236	11671446	-5
C-22	6.36	12403281	11671446	-6
C-24	7.19	12580639	11671446	-8
C-26	8.00	12616340	11671446	-8
C-28	8.74	12716719	11671446	-9
C-30	9.42	12552031	11671446	-8
C-32	10.05	11748718	11671446	-1
C-34	10.64	10651099	11671446	9
C-36	11.21	9525572	11671446	18

Samples

20C0945-11@5X
20C0895-01@10X
20C0859-01@5X
20C0859-02@250X

*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: 20C0945

Laboratory Sample ID(s):

20C0945-01 thru 20C0945-18

Sample Date(s):

03/18/2020,
03/19/2020

List RCP Methods Used:

CTDEP ETPH, 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:** **03/30/20**

Name of Laboratory: **Con-Test Analytical Laboratory**

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

con-test ANALYTICAL LABORATORY

200945

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | Composite | Grab | [1]Matrix Code | Conc Code | VOCs (8260) | PAHs *1 | CT ETPH | | |

con-test® ANALYTICAL LABORATORY

20C0945

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH
11	MW-310	3/19/20	1040		X	GW	U			X
12	~~CCA-4~~ MW-CCA-4		1120						X	X
13	~~CCA-3~~ MW-CCA-3		1200						X	X
14	MW-10		1320							X
15	~~MW-11a~~ MW-11A		1340							X
16	~~CCA-5~~ MW-CCA-5		1415							X
17	Dup-1	↓	—							X
18	Trip Blank	3/18/20	—					X		

ANALYSIS REQUESTED

3	2	2
H	I	I
V	A	A

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

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

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 10908492

Per client email revised COC with new IDs 5/5/2020 mmk

concentration

nown

Relinquished by: (signature)		Date/Time: 3/20/20
Received by: (signature)		Date/Time: 3/20 946
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requi...
MA
CT CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client W+S

Received By DAP Date 3/20 Time 946

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 By Blank # ____ Actual Temp - 3.9/2.7/3.5/4.9 Actual Temp - ____

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

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

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

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

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? ____

Are there Short Holds? 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? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	40	1 Liter Plastic		16 oz Amb.	
HCL-	11	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		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: