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 must be completed and included as the cover sheet of your electronic document when uploading a document to the Connecticut SFT website. Requirements for Transmittals through the SFT website:

- Only document types identified in the dropdown lists 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 at Transmittal of Documents

Part I: Primary Recipient*: Remediation Program (* required)

For Remediation documents:	For LUST documents:
Primary Program*: Property Transfer	UST Facility ID: (if applicable)
Rem ID*: 4943	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, etc.)

Part III: Document Information (document type required for appropriate program[s] only)

Remediation*: Monitoring Report
LUST*: LUST Document Type
Date of Document*: 10/26/2021 Version: Final

Part IV: Submitter Information

Name*: Lynn Willey
E-mail*: lynn.e.willey@eversource.com
Name of company/business this document is being submitted on behalf of: *
Eversource Energy Services Company

October 26, 2021

Mr. Jan Czeczotka
Bureau of Water Protection and Land Reuse
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: 1) Letter, D. Blicharz to J. Czeczotka, dated April 30, 2021.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Czeczotka:

Groundwater Report – 3rd Quarter 2021
Former Simsbury Area Work Center (Rem ID #4943)
34 Hopmeadow Street, Simsbury, CT

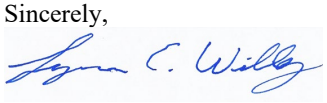
The Connecticut Light and Power Company dba Eversource Energy (Eversource) herein submits quarterly groundwater data for the Former Simsbury Area Work Center.

As documented in the 2020 Annual Report (Reference 1), a modification to the groundwater sampling program was proposed by the Licensed Environmental Professional (LEP) 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 five monitoring wells including CCA-3, MW-4R, MW-6, MW-101, and MW-102. Groundwater samples from MW-4R, MW-6, MW-101, and MW-102 were analyzed for extractable total petroleum hydrocarbons (ETPH). In addition, MW-4R was analyzed for volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) and CCA-3 was analyzed for PAHs. A duplicate groundwater sample (DUP-1) was collected from MW-6 and a trip blank were submitted for quality assurance/quality control (QA/QC) purposes.

As indicated in the enclosed laboratory analytical data report, ETPH was detected in MW-4R, MW-6/DUP-1, MW-101, and MW-102 at concentrations ranging from 0.29 milligrams per liter (mg/L) in MW-4R to 0.78 mg/L in DUP-1 which exceed the established Remediation Standard Regulations (RSRs) Groundwater Protection Criteria (GWPC) and Surface Water Protection Criteria (SWPC) of 0.250 mg/L. The Groundwater Volatilization Criteria (GWVC) may potentially be applicable to ETPH concentrations in MW-4R, MW-6 and MW-101 because the depth to water is less than 10 feet below grade. However, additional groundwater analysis is needed to evaluate the volatile petroleum components of the ETPH detections to determine the applicability of the GWVC to groundwater at the site. Because of analytical holding times, the groundwater samples were not able to be analyzed for volatile petroleum components during the quarter. The GWVC is not applicable to the detection of ETPH in MW-102 because groundwater was measured greater than 10 feet below grade. Benzo(b)fluoranthene was detected at a concentration of 0.14 microgram/Liter (µg/L) in MW-6 which exceeds the GWPC. PAHs were not detected in MW-CCA-3. VOCs were not detected in MW-4R or the associated trip blank.

If you have any questions regarding this submittal, please call me at (860)-304-1888 (cell), (860)-665-6915 (office), or email me at lynn.e.willey@eversource.com.

Sincerely,



Lynn E. Willey, LEP, P.G.
Senior Environmental Specialist – Remediation
Eversource Energy Services Company

Enclosure: Con-Test (a Pace Analytical) Laboratory Analytical Testing Results

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

September 29, 2021

Laura Yellen
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 21I1196

Enclosed are results of analyses for samples received by the laboratory on September 22, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Laura Yellen

REPORT DATE: 9/29/2021

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21I1196

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

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CCA-3	21I1196-01	Ground Water		SW-846 8270D-E	
MW-4R	21I1196-02	Ground Water		CTDEP ETPH	
				SW-846 8260C-D	
				SW-846 8270D-E	
MW-6	21I1196-03	Ground Water		CTDEP ETPH	
MW-102	21I1196-04	Ground Water		CTDEP ETPH	
MW-101	21I1196-05	Ground Water		CTDEP ETPH	
DUP-1	21I1196-06	Ground Water		CTDEP ETPH	
TRIP BLANK	21I1196-07	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 8270E, only PAHs were requested and reported.

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:

Naphthalene
21I1196-02[MW-4R], 21I1196-07[TRIP BLANK], B290868-BLK1, B290868-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:

1,2,3-Trichlorobenzene
21I1196-02[MW-4R], 21I1196-07[TRIP BLANK], B290868-BLK1, B290868-BS1, S063590-CCV1

Naphthalene
21I1196-02[MW-4R], 21I1196-07[TRIP BLANK], B290868-BLK1, B290868-BS1, S063590-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:

trans-1,4-Dichloro-2-butene
B290868-BS1, S063590-CCV1

SW-846 8270D-E

Qualifications:

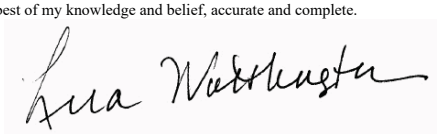
RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

21I1196-02[MW-4R]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace 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

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: CCA-3 | Sampled: 9/22/2021 10:00

Sample ID: 21I1196-01

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	9/23/21	9/28/21 11:27	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Benzo(a)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.099	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Fluorene (SIM)	ND	0.99	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
2-Methylnaphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Naphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR
Pyrene (SIM)	ND	0.99	µg/L	1		SW-846 8270D-E	9/23/21	9/28/21 11:27	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	69.7	30-130		9/28/21 11:27
2-Fluorobiphenyl	61.8	30-130		9/28/21 11:27
p-Terphenyl-d14	75.7	30-130		9/28/21 11:27

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: MW-4R | Sampled: 9/22/2021 10:40

Sample ID: 21I1196-02

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	9/23/21	9/23/21 15:20	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: MW-4R | Sampled: 9/22/2021 10:40

Sample ID: 21I1196-02

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	9/23/21	9/23/21 15:20	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 15:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	122	70-130		9/23/21 15:20
Toluene-d8	110	70-130		9/23/21 15:20
4-Bromofluorobenzene	103	70-130		9/23/21 15:20

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: MW-4R | Sampled: 9/22/2021 10:40

Sample ID: 21I1196-02

Sample Matrix: Ground Water

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.58	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Acenaphthylene (SIM)	ND	0.39	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Anthracene (SIM)	ND	0.39	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Benzo(a)anthracene (SIM)	ND	0.097	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Benzo(a)pyrene (SIM)	ND	0.19	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Benzo(b)fluoranthene (SIM)	0.14	0.097	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.97	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Benzo(k)fluoranthene (SIM)	ND	0.39	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Chrysene (SIM)	ND	0.39	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.19	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Fluoranthene (SIM)	ND	0.97	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Fluorene (SIM)	ND	1.9	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.19	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
2-Methylnaphthalene (SIM)	ND	1.9	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Naphthalene (SIM)	ND	1.9	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Phenanthrene (SIM)	ND	0.097	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR
Pyrene (SIM)	ND	1.9	µg/L	2		SW-846 8270D-E	9/23/21	9/28/21 11:49	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	70.9	30-130		9/28/21 11:49
2-Fluorobiphenyl	59.0	30-130		9/28/21 11:49
p-Terphenyl-d14	68.9	30-130		9/28/21 11:49

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Project Location: Simsbury, CT
Sample Description:
Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: MW-4R
Sampled: 9/22/2021 10:40

Sample ID: 21I1196-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.29	0.15	mg/L	1		CTDEP ETPH	9/23/21	9/28/21 16:05	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	60.7	50-150		9/28/21 16:05

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: MW-6 | Sampled: 9/22/2021 11:40

Sample ID: 21I1196-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.75	0.14	mg/L	1		CTDEP ETPH	9/23/21	9/28/21 15:25	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	70.1	50-150		9/28/21 15:25

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: MW-102 | Sampled: 9/22/2021 12:20

Sample ID: 21I1196-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.48	0.14	mg/L	1		CTDEP ETPH	9/23/21	9/28/21 15:46	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	60.1	50-150		9/28/21 15:46

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: MW-101 | Sampled: 9/22/2021 13:00

Sample ID: 21I1196-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.34	0.17	mg/L	1		CTDEP ETPH	9/23/21	9/28/21 16:25	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	78.8	50-150		9/28/21 16:25

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: DUP-1 | Sampled: 9/22/2021 00:00

Sample ID: 21I1196-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.78	0.15	mg/L	1		CTDEP ETPH	9/23/21	9/28/21 16:45	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	66.7	50-150		9/28/21 16:45

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: TRIP BLANK | Sampled: 9/22/2021 00:00

Sample ID: 21I1196-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21I1196

Date Received: 9/22/2021

Field Sample #: TRIP BLANK | Sampled: 9/22/2021 00:00

Sample ID: 21I1196-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	9/23/21	9/23/21 12:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	118	70-130		9/23/21 12:31
Toluene-d8	110	70-130		9/23/21 12:31
4-Bromofluorobenzene	101	70-130		9/23/21 12:31

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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
21I1196-02 [MW-4R]	B290860	1030	1.00	09/23/21
21I1196-03 [MW-6]	B290860	1060	1.00	09/23/21
21I1196-04 [MW-102]	B290860	1040	1.00	09/23/21
21I1196-05 [MW-101]	B290860	900	1.00	09/23/21
21I1196-06 [DUP-1]	B290860	1000	1.00	09/23/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1196-02 [MW-4R]	B290868	5	5.00	09/23/21
21I1196-07 [TRIP BLANK]	B290868	5	5.00	09/23/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1196-01 [CCA-3]	B291030	1020	1.00	09/23/21
21I1196-02 [MW-4R]	B291030	1040	1.00	09/23/21

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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 B290868 - SW-846 5030B										
Blank (B290868-BLK1)				Prepared & Analyzed: 09/23/21						
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	2.0	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 B290868 - SW-846 5030B										
Blank (B290868-BLK1)				Prepared & Analyzed: 09/23/21						
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							V-05
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	*30.2*		µg/L	25.0		121	70-130			
Surrogate: Toluene-d8	*27.6*		µg/L	25.0		110	70-130			
Surrogate: 4-Bromofluorobenzene	*26.4*		µg/L	25.0		106	70-130			
LCS (B290868-BS1)				Prepared & Analyzed: 09/23/21						
Acetone	108	10	µg/L	100		108	40-160			
Acrylonitrile	9.17	2.0	µg/L	10.0		91.7	70-130			
Benzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.0		116	70-130			
Bromoform	11.3	0.50	µg/L	10.0		113	70-130			
Bromomethane	11.3	2.0	µg/L	10.0		113	40-160			
2-Butanone (MEK)	101	5.0	µg/L	100		101	40-160			
n-Butylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Carbon Disulfide	99.5	5.0	µg/L	100		99.5	70-130			
Carbon Tetrachloride	11.5	0.50	µg/L	10.0		115	70-130			
Chlorobenzene	10.9	0.50	µg/L	10.0		109	70-130			
Chlorodibromomethane	11.4	0.50	µg/L	10.0		114	40-160			
Chloroethane	11.9	0.50	µg/L	10.0		119	70-130			
Chloroform	10.7	0.50	µg/L	10.0		107	70-130			
Chloromethane	11.0	0.60	µg/L	10.0		110	40-160			
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104	70-130			
4-Chlorotoluene	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
Dibromomethane	10.5	0.50	µg/L	10.0		105	70-130			
1,2-Dichlorobenzene	10.8	0.50	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.8	0.50	µg/L	10.0		108	70-130			
1,4-Dichlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
trans-1,4-Dichloro-2-butene	11.8	2.0	µg/L	10.0		118	70-130			V-20
Dichlorodifluoromethane (Freon 12)	11.0	0.50	µg/L	10.0		110	40-160			
1,1-Dichloroethane	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dichloroethane	12.0	0.50	µg/L	10.0		120	70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B290868 - SW-846 5030B											
LCS (B290868-BS1)				Prepared & Analyzed: 09/23/21							
cis-1,2-Dichloroethylene	10.7	0.50	µg/L	10.0		107		70-130			
trans-1,2-Dichloroethylene	9.83	1.0	µg/L	10.0		98.3		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	11.1	0.50	µg/L	10.0		111		70-130			
1,1-Dichloropropene	10.9	0.50	µg/L	10.0		109		70-130			
cis-1,3-Dichloropropene	11.5	0.50	µg/L	10.0		115		70-130			
trans-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111		70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130			
Hexachlorobutadiene	11.5	0.60	µg/L	10.0		115		40-160			
2-Hexanone (MBK)	102	5.0	µg/L	100		102		70-130			
Isopropylbenzene (Cumene)	11.0	0.50	µg/L	10.0		110		70-130			
p-Isopropyltoluene (p-Cymene)	10.6	0.50	µg/L	10.0		106		70-130			
Methyl tert-Butyl Ether (MTBE)	10.3	0.50	µg/L	10.0		103		70-130			
Methylene Chloride	10.4	5.0	µg/L	10.0		104		70-130			
4-Methyl-2-pentanone (MIBK)	106	5.0	µg/L	100		106		40-160			
Naphthalene	6.33	2.0	µg/L	10.0		**63.3**	*	70-130			L-03, V-05
n-Propylbenzene	10.3	1.0	µg/L	10.0		103		70-130			
Styrene	11.4	1.0	µg/L	10.0		114		70-130			
1,1,1,2-Tetrachloroethane	12.1	0.50	µg/L	10.0		121		70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130			
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114		70-130			
Tetrahydrofuran	9.71	10	µg/L	10.0		97.1		70-130			
Toluene	11.0	1.0	µg/L	10.0		110		70-130			
1,2,3-Trichlorobenzene	8.05	1.0	µg/L	10.0		80.5		70-130			V-05
1,2,4-Trichlorobenzene	8.38	0.50	µg/L	10.0		83.8		70-130			
1,1,1-Trichloroethane	11.3	0.50	µg/L	10.0		113		70-130			
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130			
Trichloroethylene	11.4	1.0	µg/L	10.0		114		70-130			
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.0		111		40-160			
1,2,3-Trichloropropane	10.0	0.50	µg/L	10.0		100		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	0.50	µg/L	10.0		101		70-130			
1,2,4-Trimethylbenzene	10.2	0.50	µg/L	10.0		102		70-130			
1,3,5-Trimethylbenzene	10.9	0.50	µg/L	10.0		109		70-130			
Vinyl Chloride	11.2	1.0	µg/L	10.0		112		70-130			
m+p Xylene	21.7	2.0	µg/L	20.0		109		70-130			
o-Xylene	11.3	1.0	µg/L	10.0		113		70-130			
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/L	25.0		116		70-130			
Surrogate: Toluene-d8	*27.6*		µg/L	25.0		110		70-130			
Surrogate: 4-Bromofluorobenzene	*27.0*		µg/L	25.0		108		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 B291030 - SW-846 3510C										
Blank (B291030-BLK1)				Prepared: 09/23/21 Analyzed: 09/27/21						
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	*61.9*		µg/L	100		61.9	30-130			
Surrogate: 2-Fluorobiphenyl	*56.6*		µg/L	100		56.6	30-130			
Surrogate: p-Terphenyl-d14	*73.0*		µg/L	100		73.0	30-130			
LCS (B291030-BS1)				Prepared: 09/23/21 Analyzed: 09/27/21						
Acenaphthene (SIM)	35.2	6.0	µg/L	50.0		70.3	40-140			
Acenaphthylene (SIM)	36.9	4.0	µg/L	50.0		73.8	40-140			
Anthracene (SIM)	41.8	4.0	µg/L	50.0		83.6	40-140			
Benzo(a)anthracene (SIM)	40.3	1.0	µg/L	50.0		80.5	40-140			
Benzo(a)pyrene (SIM)	45.0	2.0	µg/L	50.0		90.0	40-140			
Benzo(b)fluoranthene (SIM)	45.6	1.0	µg/L	50.0		91.3	40-140			
Benzo(g,h,i)perylene (SIM)	44.0	10	µg/L	50.0		88.0	40-140			
Benzo(k)fluoranthene (SIM)	44.2	4.0	µg/L	50.0		88.4	40-140			
Chrysene (SIM)	39.6	4.0	µg/L	50.0		79.2	40-140			
Dibenz(a,h)anthracene (SIM)	43.8	2.0	µg/L	50.0		87.6	40-140			
Fluoranthene (SIM)	39.3	10	µg/L	50.0		78.7	40-140			
Fluorene (SIM)	38.6	20	µg/L	50.0		77.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	46.4	2.0	µg/L	50.0		92.8	40-140			
2-Methylnaphthalene (SIM)	36.2	20	µg/L	50.0		72.5	40-140			
Naphthalene (SIM)	30.8	20	µg/L	50.0		61.7	40-140			
Phenanthrene (SIM)	39.3	1.0	µg/L	50.0		78.6	40-140			
Pyrene (SIM)	39.8	20	µg/L	50.0		79.6	40-140			
Surrogate: Nitrobenzene-d5	*69.9*		µg/L	100		69.9	30-130			
Surrogate: 2-Fluorobiphenyl	*72.1*		µg/L	100		72.1	30-130			
Surrogate: p-Terphenyl-d14	*75.6*		µg/L	100		75.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291030 - SW-846 3510C										
LCS Dup (B291030-BSD1)				Prepared: 09/23/21 Analyzed: 09/27/21						
Acenaphthene (SIM)	33.1	6.0	µg/L	50.0		66.1	40-140	6.16	20	
Acenaphthylene (SIM)	34.8	4.0	µg/L	50.0		69.6	40-140	5.86	20	
Anthracene (SIM)	38.0	4.0	µg/L	50.0		76.0	40-140	9.58	20	
Benzo(a)anthracene (SIM)	36.4	1.0	µg/L	50.0		72.7	40-140	10.2	20	
Benzo(a)pyrene (SIM)	40.6	2.0	µg/L	50.0		81.1	40-140	10.3	20	
Benzo(b)fluoranthene (SIM)	40.9	1.0	µg/L	50.0		81.8	40-140	11.0	20	
Benzo(g,h,i)perylene (SIM)	39.4	10	µg/L	50.0		78.8	40-140	11.0	20	
Benzo(k)fluoranthene (SIM)	39.9	4.0	µg/L	50.0		79.8	40-140	10.2	20	
Chrysene (SIM)	36.0	4.0	µg/L	50.0		72.0	40-140	9.63	20	
Dibenz(a,h)anthracene (SIM)	39.4	2.0	µg/L	50.0		78.9	40-140	10.5	20	
Fluoranthene (SIM)	35.7	10	µg/L	50.0		71.4	40-140	9.65	20	
Fluorene (SIM)	36.0	20	µg/L	50.0		72.0	40-140	6.86	20	
Indeno(1,2,3-cd)pyrene (SIM)	41.6	2.0	µg/L	50.0		83.1	40-140	11.0	20	
2-Methylnaphthalene (SIM)	35.3	20	µg/L	50.0		70.6	40-140	2.68	20	
Naphthalene (SIM)	29.5	20	µg/L	50.0		59.0	40-140	4.44	20	
Phenanthrene (SIM)	35.8	1.0	µg/L	50.0		71.6	40-140	9.32	20	
Pyrene (SIM)	35.9	20	µg/L	50.0		71.8	40-140	10.4	20	
Surrogate: Nitrobenzene-d5	*68.1*		µg/L	100		68.1	30-130			
Surrogate: 2-Fluorobiphenyl	*66.7*		µg/L	100		66.7	30-130			
Surrogate: p-Terphenyl-d14	*69.4*		µg/L	100		69.4	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 B290860 - SW-846 3510C										
Blank (B290860-BLK1)				Prepared: 09/23/21 Analyzed: 09/28/21						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0744*		mg/L	0.100		74.4	50-150			
LCS (B290860-BS1)				Prepared: 09/23/21 Analyzed: 09/28/21						
CT ETPH	0.725	0.15	mg/L	1.00		72.5	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0733*		mg/L	0.100		73.3	50-150			
LCS Dup (B290860-BSD1)				Prepared: 09/23/21 Analyzed: 09/28/21						
CT ETPH	0.738	0.15	mg/L	1.00		73.8	60-120	1.78	30	
Surrogate: 2-Fluorobiphenyl	*0.0763*		mg/L	0.100		76.3	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-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-12	Elevated reporting limit due to matrix interference.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
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

Con-Test, a Pace 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	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Lynn Willey)
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: yelleni@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	VPH (Hold for reactivation)	EPH (Hold for reactivation)
	# of Containers							3	2	2		
	[2]Preservation Code							H	I	I		
	[3]Container Code							V	A	A		
1	CCA-3	9/22/21	1000		X	GW	U		X			
2	MW-4R		1040					X	X	X	X	X
3	MW-6		1140							X	X	X
4	MW-102		1220							X		
5	MW-101		1300							X	X	X
6	Dup-1		—							X		
7	Trip BLANK		—					X				

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: (1) Please bill Eversource directly - Send invoice and results to lynn.e.willey@eversource.com

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

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: 9/22/21
Received by: (signature)	Date/Time: 9/22/21 1025
Relinquished by: (signature)	Date/Time: 1900 9/22/2021
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time: 9/22/21 1900
Received by: (signature)	Date/Time:

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

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client WES

Received By GH Date 9/22/21 Time 1900

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 2.0, 4.0

By Blank # _____ Actual Temp - _____

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F 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? T MS/MSD? F

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

Were trip blanks received? T On COC? T

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	20	1 Liter Plastic		16 oz Amb.	
HCL-	10	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:

C:\MSDChem\4\DATA\D092821\D21F271006.D

CT ETPH Discrimination Check

Data File Name D21F271006.D
Data File Path C:\MSDChem\4\DATA\D092821\
Operator RDD
Date Acquired 9/28/1921 12:03
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.60	7356884	8496865	13
C-10	2.27	7607610	8496865	10
C-12	3.23	7813281	8496865	8
C-14	3.95	8069133	8496865	5
C-16	4.57	8308306	8496865	2
C-18	5.13	8807122	8496865	-4
C-20	5.75	8642147	8496865	-2
C-22	6.52	8774715	8496865	-3
C-24	7.37	8946714	8496865	-5
C-26	8.17	8999931	8496865	-6
C-28	8.92	9042743	8496865	-6
C-30	9.60	8963177	8496865	-5
C-32	10.24	8800188	8496865	-4
C-34	10.84	8789624	8496865	-3
C-36	11.40	8531400	8496865	0

Samples
21I1180-01
21I1180-02
21I1180-03
21I1180-04
21I1196-03
21I1196-04
21I1196-02
21I1196-05
21I1196-06

*One compound allowed %D</=50

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 21I1196

Laboratory Sample ID(s):
21I1196-01 thru 21I1196-07

Sample Date(s):
09/22/2021

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:** **09/29/21**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

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