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

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION, PCB PROGRAM, AND
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:

- 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 #_SiteAddress_Town_DocumentType_DateofDocument**
  - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  - For PCB Filings: **PCB_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
  Note: For "AbbreviationForDocumentType" use appropriate abbreviation at Transmittal of Documents
- If no Rem ID assigned (new filing) or REM ID is unknown leave field blank

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

For Remediation documents:	For PCB/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/PCB*:
Date of Document*: 8/7/2023 Version: Final

Part IV: Submitter Information

Name*: Drew Blicharz
E-mail*: drew.blicharz@eversource.com
Name of business this document is being submitted on behalf of and contact person email: *
Eversource Energy Service Company

August 7, 2023

Ms. Claire Quinn
Remediation Division
Bureau of Water Protection and Land Reuse
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: 1) Letter, J. Willson to C. Quinn, dated April 27, 2023.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Ms. Quinn:

Groundwater Report – 2nd Quarter 2023
Former Simsbury Area Work Center (Rem ID #4943)
34 Hopmeadow Street, Simsbury, CT

The Connecticut Light and Power Company dba Eversource Energy 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 (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 four monitoring wells including CCA-3, MW-6, MW-101, and MW-102, and analyzed for various parameters. A trip blank was submitted for quality assurance/quality control (QA/QC) purposes. A groundwater sample could not be collected from MW-4R because there was insufficient water inside the well. As indicated in the enclosed laboratory analytical data report, concentrations of extractable total petroleum hydrocarbon (ETPH) were detected above the Groundwater Protection Criteria (GWPC) and Surface Water Protection Criteria (SWPC) of 250 milligrams per liter in samples collected from monitoring wells MW-101 and MW-102.

In addition, post-remediation groundwater monitoring continued for Area of Potential Environmental Concern #4. Groundwater samples were collected from monitoring wells MW-400, MW-401, MW-402, and MW-403, and analyzed for ETPH. ETPH was not detected as indicated in the enclosed laboratory analytical data report. A duplicate sample from MW-403 was submitted for quality assurance/quality control (QA/QC) purposes.

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

Sincerely,
Eversource Energy Service Company

Drew Blicharz

Andrew (Drew) P. Blicharz, LEP, CHMM
Senior Environmental Specialist – Remediation

Enclosure: Laboratory Analytical Data Report
Cc: Jeffrey Willson, LEP, Weston & Sampson

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July 7, 2023

Laura Willson
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: 23F3199

Enclosed are results of analyses for samples as received by the laboratory on June 23, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

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

REPORT DATE: 7/7/2023

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F3199

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
MW-101	23F3199-01	Ground Water		CTDEP ETPH	
CCA-3	23F3199-02	Ground Water		SW-846 8270E	
MW-400	23F3199-03	Ground Water		CTDEP ETPH	
MW-401	23F3199-04	Ground Water		CTDEP ETPH	
MW-402	23F3199-05	Ground Water		CTDEP ETPH	
MW-403	23F3199-06	Ground Water		CTDEP ETPH	
DUP-1	23F3199-07	Ground Water		CTDEP ETPH	
MW-6	23F3199-08	Ground Water		CTDEP ETPH	
MW-102	23F3199-09	Ground Water		CTDEP ETPH	
				SW-846 8260D	
Trip Blank	23F3199-10	Trip Blank Water		SW-846 8260D	

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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.

CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH
B344563-BS1, B344643-BS1

SW-846 8260D

Qualifications:

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:

Acetone
23F3199-09[MW-102], 23F3199-10[Trip Blank], B344358-BLK1, B344358-BS1, S089746-CCV1

Trichlorofluoromethane (Freon 11)
23F3199-09[MW-102], 23F3199-10[Trip Blank], B344358-BLK1, B344358-BS1, S089746-CCV1

Vinyl Chloride
23F3199-09[MW-102], 23F3199-10[Trip Blank], B344358-BLK1, B344358-BS1, S089746-CCV1

V-16

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP)
S089746-CCV1

Tetrahydrofuran
S089746-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:

1,1-Dichloroethane
B344358-BS1, S089746-CCV1

V-34

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

Analyte & Samples(s) Qualified:

Chloromethane
23F3199-09[MW-102], 23F3199-10[Trip Blank], B344358-BLK1, B344358-BS1, S089746-CCV1

Dichlorodifluoromethane (Freon 12)
23F3199-09[MW-102], 23F3199-10[Trip Blank], B344358-BLK1, B344358-BS1, S089746-CCV1

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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.



Meghan E. Kelley
Reporting Specialist

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-101 | Sampled: 6/22/2023 16:40

Sample ID: 23F3199-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.34	0.20	mg/L	1		CTDEP ETPH	6/29/23	7/3/23 11:34	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	67.9	50-150		7/3/23 11:34

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: CCA-3 | Sampled: 6/22/2023 16:00

Sample ID: 23F3199-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Benzo(a)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Dibenz(a,h)anthracene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Fluorene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
2-Methylnaphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Naphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH
Pyrene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	6/29/23	7/7/23 6:19	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	65.4	30-130		7/7/23 6:19
2-Fluorobiphenyl	79.1	30-130		7/7/23 6:19
p-Terphenyl-d14	96.8	30-130		7/7/23 6:19

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-400 | Sampled: 6/22/2023 12:12

Sample ID: 23F3199-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	6/28/23	7/3/23 10:39	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	61.5	50-150		7/3/23 10:39

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-401
Sampled: 6/22/2023 13:00

Sample ID: 23F3199-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	6/29/23	7/3/23 10:51	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	61.2	50-150		7/3/23 10:51

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-402
Sampled: 6/22/2023 10:35

Sample ID: 23F3199-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	6/28/23	7/3/23 9:57	GJB

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-403 | Sampled: 6/22/2023 09:10

Sample ID: 23F3199-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	6/28/23	7/3/23 10:59	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	54.7	50-150		7/3/23 10:59

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: DUP-1 | Sampled: 6/22/2023 00:00

Sample ID: 23F3199-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	6/28/23	7/3/23 10:29	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	69.1	50-150		7/3/23 10:29

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-6 | Sampled: 6/22/2023 14:40

Sample ID: 23F3199-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	6/29/23	7/3/23 11:20	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	58.3	50-150		7/3/23 11:20

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-102 | Sampled: 6/22/2023 15:35

Sample ID: 23F3199-09

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	V-05	SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Chloromethane	ND	0.60	µg/L	1	V-34	SW-846 8260D	6/27/23	6/27/23 16:08	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-34	SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-102 | Sampled: 6/22/2023 15:35

Sample ID: 23F3199-09

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 8260D	6/27/23	6/27/23 16:08	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1	V-05	SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
Vinyl Chloride	ND	1.0	µg/L	1	V-05	SW-846 8260D	6/27/23	6/27/23 16:08	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 16:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		6/27/23 16:08
Toluene-d8	99.8	70-130		6/27/23 16:08
4-Bromofluorobenzene	94.2	70-130		6/27/23 16:08

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: MW-102 | Sampled: 6/22/2023 15:35

Sample ID: 23F3199-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.43	0.20	mg/L	1		CTDEP ETPH	6/29/23	7/3/23 18:14	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	61.8	50-150		7/3/23 18:14

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: Trip Blank | Sampled: 6/22/2023 00:00

Sample ID: 23F3199-10

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-05	SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Chloromethane	ND	0.60	µg/L	1	V-34	SW-846 8260D	6/27/23	6/27/23 13:22	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	V-34	SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23F3199

Date Received: 6/23/2023

Field Sample #: Trip Blank | Sampled: 6/22/2023 00:00

Sample ID: 23F3199-10

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1	V-05	SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
Vinyl Chloride	ND	1.0	µg/L	1	V-05	SW-846 8260D	6/27/23	6/27/23 13:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	6/27/23	6/27/23 13:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		6/27/23 13:22
Toluene-d8	101	70-130		6/27/23 13:22
4-Bromofluorobenzene	94.8	70-130		6/27/23 13:22

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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
23F3199-03 [MW-400]	B344563	1010	1.00	06/28/23
23F3199-05 [MW-402]	B344563	1000	1.00	06/28/23
23F3199-06 [MW-403]	B344563	1010	1.00	06/28/23
23F3199-07 [DUP-1]	B344563	1020	1.00	06/28/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F3199-01 [MW-101]	B344643	1010	1.00	06/29/23
23F3199-04 [MW-401]	B344643	1000	1.00	06/29/23
23F3199-08 [MW-6]	B344643	1000	1.00	06/29/23
23F3199-09 [MW-102]	B344643	1000	1.00	06/29/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F3199-09 [MW-102]	B344358	5	5.00	06/27/23
23F3199-10 [Trip Blank]	B344358	5	5.00	06/27/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F3199-02 [CCA-3]	B345382	1010	1.00	06/29/23

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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 B344358 - SW-846 5030B										
Blank (B344358-BLK1)				Prepared & Analyzed: 06/27/23						
Acetone	ND	10	µg/L							V-05
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							V-34
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-34
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 B344358 - SW-846 5030B										
Blank (B344358-BLK1)				Prepared & Analyzed: 06/27/23						
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							V-05
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							V-05
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.2	70-130			
LCS (B344358-BS1)				Prepared & Analyzed: 06/27/23						
Acetone	77.6	10	µg/L	100		77.6	40-160			V-05
Acrylonitrile	8.66	2.0	µg/L	10.0		86.6	70-130			
Benzene	11.6	0.50	µg/L	10.0		116	70-130			
Bromobenzene	10.6	0.50	µg/L	10.0		106	70-130			
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130			
Bromoform	8.50	0.50	µg/L	10.0		85.0	70-130			
Bromomethane	9.73	2.0	µg/L	10.0		97.3	40-160			
2-Butanone (MEK)	100	5.0	µg/L	100		100	40-160			
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
sec-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Carbon Disulfide	94.7	5.0	µg/L	100		94.7	70-130			
Carbon Tetrachloride	10.8	0.50	µg/L	10.0		108	70-130			
Chlorobenzene	9.98	0.50	µg/L	10.0		99.8	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	40-160			
Chloroethane	9.16	0.50	µg/L	10.0		91.6	70-130			
Chloroform	12.1	0.50	µg/L	10.0		121	70-130			
Chloromethane	9.46	0.60	µg/L	10.0		94.6	40-160			V-34
2-Chlorotoluene	9.07	0.50	µg/L	10.0		90.7	70-130			
4-Chlorotoluene	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.35	1.0	µg/L	10.0		93.5	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130			
Dibromomethane	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	9.97	0.50	µg/L	10.0		99.7	70-130			
trans-1,4-Dichloro-2-butene	7.70	2.0	µg/L	10.0		77.0	70-130			
Dichlorodifluoromethane (Freon 12)	9.13	0.50	µg/L	10.0		91.3	40-160			V-34
1,1-Dichloroethane	12.5	0.50	µg/L	10.0		125	70-130			V-20
1,2-Dichloroethane	10.5	0.50	µg/L	10.0		105	70-130			
1,1-Dichloroethylene	8.52	0.50	µg/L	10.0		85.2	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 B344358 - SW-846 5030B										
LCS (B344358-BS1)				Prepared & Analyzed: 06/27/23						
cis-1,2-Dichloroethylene	12.1	0.50	µg/L	10.0		121	70-130			
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
1,2-Dichloropropane	11.1	0.50	µg/L	10.0		111	70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
2,2-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
1,1-Dichloropropene	11.6	0.50	µg/L	10.0		116	70-130			
cis-1,3-Dichloropropene	11.8	0.50	µg/L	10.0		118	70-130			
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130			
Ethylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
Hexachlorobutadiene	9.84	0.60	µg/L	10.0		98.4	40-160			
2-Hexanone (MBK)	103	5.0	µg/L	100		103	70-130			
Isopropylbenzene (Cumene)	9.85	0.50	µg/L	10.0		98.5	70-130			
p-Isopropyltoluene (p-Cymene)	10.0	0.50	µg/L	10.0		100	70-130			
Methyl tert-Butyl Ether (MTBE)	10.7	0.50	µg/L	10.0		107	70-130			
Methylene Chloride	8.97	5.0	µg/L	10.0		89.7	70-130			
4-Methyl-2-pentanone (MIBK)	107	5.0	µg/L	100		107	40-160			
Naphthalene	8.35	2.0	µg/L	10.0		83.5	70-130			
n-Propylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130			
Styrene	9.83	1.0	µg/L	10.0		98.3	70-130			
1,1,1,2-Tetrachloroethane	9.70	0.50	µg/L	10.0		97.0	70-130			
1,1,2,2-Tetrachloroethane	9.55	0.50	µg/L	10.0		95.5	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Tetrahydrofuran	10.2	10	µg/L	10.0		102	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.28	1.0	µg/L	10.0		92.8	70-130			
1,2,4-Trichlorobenzene	9.15	0.50	µg/L	10.0		91.5	70-130			
1,1,1-Trichloroethane	11.5	0.50	µg/L	10.0		115	70-130			
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Trichlorofluoromethane (Freon 11)	7.77	2.0	µg/L	10.0		77.7	40-160			V-05
1,2,3-Trichloropropane	9.80	0.50	µg/L	10.0		98.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.85	0.50	µg/L	10.0		88.5	70-130			
1,2,4-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
1,3,5-Trimethylbenzene	9.63	0.50	µg/L	10.0		96.3	70-130			
Vinyl Chloride	7.04	1.0	µg/L	10.0		70.4	70-130			V-05
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.9*		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B345382 - SW-846 3510C										
Blank (B345382-BLK1)				Prepared: 06/29/23 Analyzed: 07/07/23						
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	*67.0*		µg/L	100		67.0	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*63.5*		µg/L	100		63.5	30-130			
Surrogate: 2-Fluorobiphenyl	*77.0*		µg/L	100		77.0	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*68.0*		µg/L	100		68.0	30-130			
Surrogate: p-Terphenyl-d14	*109*		µg/L	100		109	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*82.3*		µg/L	100		82.3	30-130			
LCS (B345382-BS1)				Prepared: 06/29/23 Analyzed: 07/07/23						
Acenaphthene (SIM)	25.8	6.0	µg/L	50.0		51.6	40-140			
Acenaphthylene (SIM)	28.0	4.0	µg/L	50.0		56.0	40-140			
Anthracene (SIM)	30.7	4.0	µg/L	50.0		61.4	40-140			
Benzo(a)anthracene (SIM)	29.9	1.0	µg/L	50.0		59.7	40-140			
Benzo(a)pyrene (SIM)	35.4	2.0	µg/L	50.0		70.9	40-140			
Benzo(b)fluoranthene (SIM)	40.1	1.0	µg/L	50.0		80.2	40-140			
Benzo(g,h,i)perylene (SIM)	35.7	10	µg/L	50.0		71.4	40-140			
Benzo(k)fluoranthene (SIM)	40.1	4.0	µg/L	50.0		80.2	40-140			
Chrysene (SIM)	30.0	4.0	µg/L	50.0		60.0	40-140			
Dibenz(a,h)anthracene (SIM)	35.6	2.0	µg/L	50.0		71.2	40-140			
Fluoranthene (SIM)	29.5	10	µg/L	50.0		59.0	40-140			
Fluorene (SIM)	28.3	20	µg/L	50.0		56.6	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	36.5	2.0	µg/L	50.0		73.1	40-140			
2-Methylnaphthalene (SIM)	23.4	20	µg/L	50.0		46.9	40-140			
Naphthalene (SIM)	21.5	20	µg/L	50.0		43.1	40-140			
Phenanthrene (SIM)	29.6	1.0	µg/L	50.0		59.3	40-140			
Pyrene (SIM)	31.0	20	µg/L	50.0		62.0	40-140			
Surrogate: Nitrobenzene-d5	*51.3*		µg/L	100		51.3	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*51.9*		µg/L	100		51.9	30-130			
Surrogate: 2-Fluorobiphenyl	*58.4*		µg/L	100		58.4	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*61.5*		µg/L	100		61.5	30-130			
Surrogate: p-Terphenyl-d14	*72.1*		µg/L	100		72.1	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*79.3*		µg/L	100		79.3	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B345382 - SW-846 3510C										
LCS Dup (B345382-BSD1)				Prepared: 06/29/23 Analyzed: 07/07/23						
Acenaphthene (SIM)	28.3	6.0	µg/L	50.0		56.6	40-140	9.17	20	
Acenaphthylene (SIM)	30.6	4.0	µg/L	50.0		61.2	40-140	8.95	20	
Anthracene (SIM)	33.7	4.0	µg/L	50.0		67.4	40-140	9.32	20	
Benzo(a)anthracene (SIM)	33.0	1.0	µg/L	50.0		66.0	40-140	9.93	20	
Benzo(a)pyrene (SIM)	39.2	2.0	µg/L	50.0		78.4	40-140	10.0	20	
Benzo(b)fluoranthene (SIM)	44.2	1.0	µg/L	50.0		88.5	40-140	9.77	20	
Benzo(g,h,i)perylene (SIM)	39.4	10	µg/L	50.0		78.8	40-140	9.80	20	
Benzo(k)fluoranthene (SIM)	44.0	4.0	µg/L	50.0		88.0	40-140	9.18	20	
Chrysene (SIM)	33.0	4.0	µg/L	50.0		66.1	40-140	9.64	20	
Dibenz(a,h)anthracene (SIM)	39.2	2.0	µg/L	50.0		78.4	40-140	9.63	20	
Fluoranthene (SIM)	32.4	10	µg/L	50.0		64.8	40-140	9.43	20	
Fluorene (SIM)	31.1	20	µg/L	50.0		62.2	40-140	9.50	20	
Indeno(1,2,3-cd)pyrene (SIM)	40.4	2.0	µg/L	50.0		80.9	40-140	10.1	20	
2-Methylnaphthalene (SIM)	25.3	20	µg/L	50.0		50.5	40-140	7.47	20	
Naphthalene (SIM)	22.5	20	µg/L	50.0		45.1	40-140	4.54	20	
Phenanthrene (SIM)	32.6	1.0	µg/L	50.0		65.3	40-140	9.63	20	
Pyrene (SIM)	34.2	20	µg/L	50.0		68.4	40-140	9.88	20	
Surrogate: Nitrobenzene-d5	*52.8*		µg/L	100		52.8	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*53.8*		µg/L	100		53.8	30-130			
Surrogate: 2-Fluorobiphenyl	*62.3*		µg/L	100		62.3	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*64.9*		µg/L	100		64.9	30-130			
Surrogate: p-Terphenyl-d14	*78.6*		µg/L	100		78.6	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*86.2*		µg/L	100		86.2	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 B344563 - SW-846 3510C											
Blank (B344563-BLK1)				Prepared: 06/28/23 Analyzed: 07/03/23							
CT ETPH	ND	0.20	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0600*		mg/L	0.100		60.0		50-150			
LCS (B344563-BS1)				Prepared: 06/28/23 Analyzed: 07/03/23							
CT ETPH	0.588	0.20	mg/L	1.00		**58.8**	*	60-120			L-07
Surrogate: 2-Fluorobiphenyl	*0.0640*		mg/L	0.100		64.0		50-150			
LCS Dup (B344563-BSD1)				Prepared: 06/28/23 Analyzed: 07/03/23							
CT ETPH	0.623	0.20	mg/L	1.00		62.3		60-120	5.78	30	
Surrogate: 2-Fluorobiphenyl	*0.0674*		mg/L	0.100		67.4		50-150			
Batch B344643 - SW-846 3510C											
Blank (B344643-BLK1)				Prepared: 06/29/23 Analyzed: 07/03/23							
CT ETPH	ND	0.20	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0628*		mg/L	0.100		62.8		50-150			
LCS (B344643-BS1)				Prepared: 06/29/23 Analyzed: 07/03/23							
CT ETPH	0.599	0.20	mg/L	1.00		**59.9**	*	60-120			L-07
Surrogate: 2-Fluorobiphenyl	*0.0699*		mg/L	0.100		69.9		50-150			
LCS Dup (B344643-BSD1)				Prepared: 06/29/23 Analyzed: 07/03/23							
CT ETPH	0.603	0.20	mg/L	1.00		60.3		60-120	0.593	30	
Surrogate: 2-Fluorobiphenyl	*0.0660*		mg/L	0.100		66.0		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-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration 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.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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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 8260D 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 8260D 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

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson
Address:	712 Brook St Rocky Hill, CT
Phone:	860-513-1473
Project Name:	Eversource Simsbury
Project Location:	Simsbury, CT
Project Number:	
Project Manager:	Laura Willson (WSS)
Pace Quote Name/Number:	PO# 11003487
Invoice Recipient:	Eversource - Drew Blicharz
Sampled By:	Madison Platow

Requested Turnaround Time
7-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: Willson.laura@
Fax To #: wseinc.com

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	ETPH	PAHs	VOCs
1	MW-101	6-22-23	1640	Grab	GW	U		2				✓		
2	CCA-3		1600					2					✓	
3	MW-400		1212					2				✓		
4	MW-401		1300					2				✓		
5	MW-402		1635					2				✓		
6	MW-403		0910					2				✓		
7	DUP-1		–					2				✓		
8	MW-6		1440					2				✓		
9	MW-102		1535					1				✓		✓
10	Trip blank	–	–	–	water			2						✓

Relinquished by: (signature)	Date/Time:
Madison Platow	6-22-23 1800
Received by: (signature)	Date/Time:
WSS Fridge	6-22-23 1800
Relinquished by: (signature)	Date/Time:
Madison Platow	6-23-23 1015
Received by: (signature)	Date/Time:
Dan Belfort	6/23/23 1015
Relinquished by: (signature)	Date/Time:
Dan Belfort	6/23/23 1205
Received by: (signature)	Date/Time:
Dan Belfort 3.8, 3.1	6/23/23 1205
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: Bill eversource drew.blicharz@eversource.com PO-11003487

Detection Limit Requirements
MA
CT
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
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)

Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

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

Pace PEOPLE ADVANCING SCIENCE

Client WHS

Project Eversource Simsbury

MCP/RCP Required RCP

Deliverable Package Requirement N/A

Location Simsbury, CT

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time DWW 6/23 1205

Back-Sheet By / Date / Time DWW 6/23 2240

Temperature Method GUN # 5

Temp ☒ < 6° C Actual Temperature 3.8, 3.1

Rush Samples: Yes (No) Notify

Short Hold: Yes (No) Notify

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☐	☒

COC Included: (Check all included)

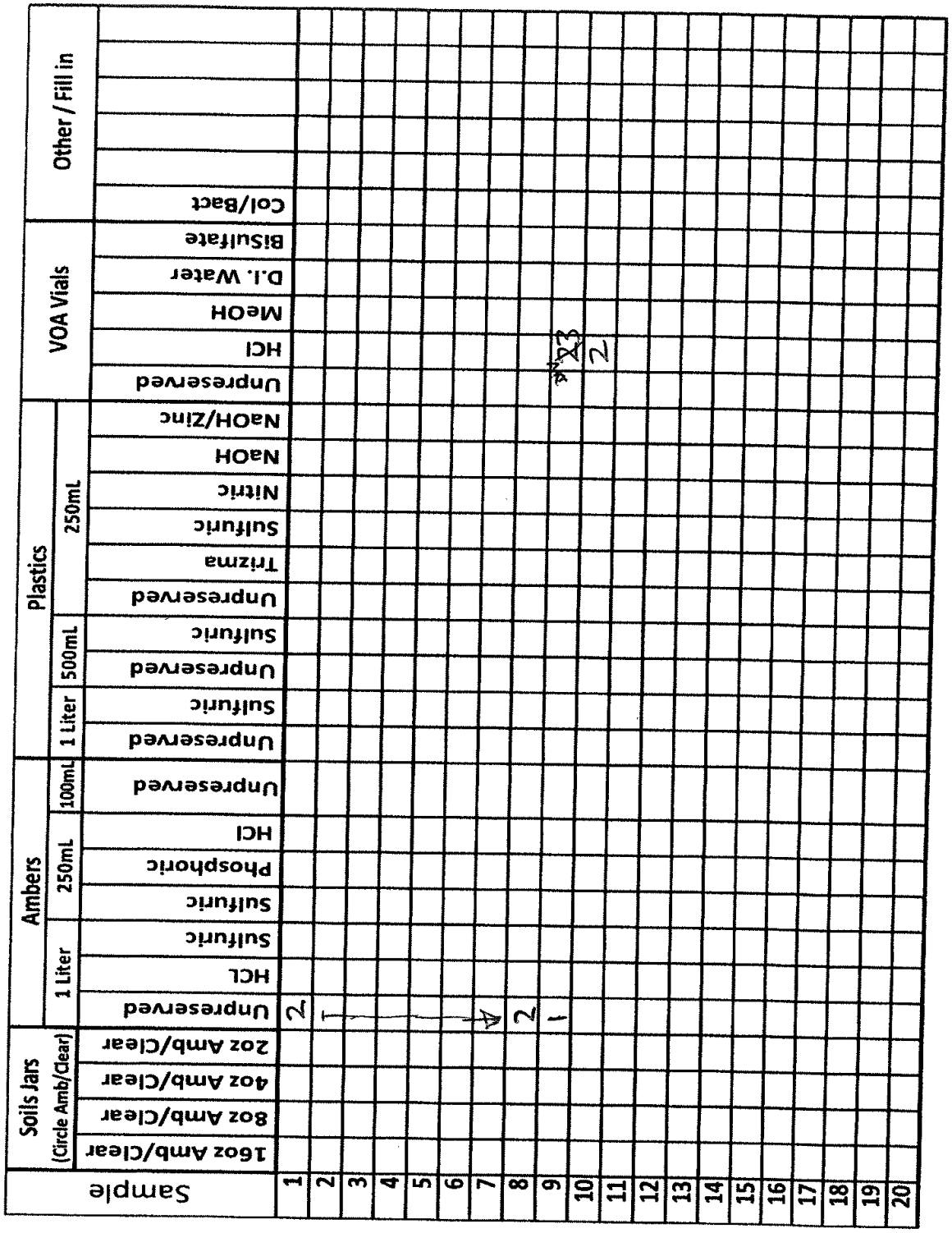
Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes



Sample	Soils Jars (Circle Amb/Clear)				Ambers							Plastics										VOA Vials					Other / Fill in					
					1 Liter			250mL			100mL	1 Liter		500mL		250mL																
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact					
1					2																											
2																																
3																																
4																																
5																																
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C:\MSDCHEM\4\DATA\D070323.SEC\D23F184007.D

CT ETPH Discrimination Check

Data File Name D23F184007.D
Data File Path C:\MSDCHEM\4\DATA\D070323.SEC\
Operator GJB
Date Acquired 7/3/1923 9:16
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.75	9284465	9942141	7
C-10	2.38	9591522	9942141	4
C-12	3.31	9819407	9942141	1
C-14	4.03	10031749	9942141	-1
C-16	4.64	10133144	9942141	-2
C-18	5.19	10597091	9942141	-7
C-20	5.83	10294261	9942141	-4
C-22	6.60	10230890	9942141	-3
C-24	7.45	10247486	9942141	-3
C-26	8.26	10246915	9942141	-3
C-28	9.00	10060778	9942141	-1
C-30	9.68	9806529	9942141	1
C-32	10.31	9672907	9942141	3
C-34	10.90	9721335	9942141	2
C-36	11.46	9393631	9942141	6

*One compound allowed %D</=50

Samples
23F3199-05
23F3304-02
23F3199-03
23F3199-06
23F3199-08
23F3304-04

C:\MSDCHEM\2\DATA\B070323.SEC\B23F184007.D

CT ETPH Discrimination Check

Data File Name B23F184007.D
Data File Path C:\MSDCHEM\2\DATA\B070323.SEC\
Operator GJB
Date Acquired 7/3/1923 9:25
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.49	8560391	9633837	11
n-Decane	2.20	8700203	9633837	10
n-Dodecane	3.17	8744057	9633837	9
n-Tetradecane	3.89	9100516	9633837	6
n-Hexadecane	4.50	9266014	9633837	4
n-Octadecane	5.04	9931283	9633837	-3
n-Eicosane	5.62	9746170	9633837	-1
n-Docosane	6.34	9835976	9633837	-2
n-Tetracosane	7.17	9999645	9633837	-4
n-Hexacosane	7.98	10154720	9633837	-5
n-Octacosane	8.72	10125664	9633837	-5
n-Triacontane	9.41	10134430	9633837	-5
n-Dotriacontane	10.04	10096392	9633837	-5
n-Tetratriacontane	10.63	10264027	9633837	-7
n-Hexatriacontane	11.19	9848067	9633837	-2

*One compound allowed %D</=50

Samples
23F3304-03
23F3199-07
23F3199-04
23F3304-05
23F3199-01
23F3304-10
23F3304-07

C:\MSDCHEM\2\DATA\B070323.SEC\B23F184033.D

CT ETPH Discrimination Check

Data File Name B23F184033.D
Data File Path C:\MSDCHEM\2\DATA\B070323.SEC\
Operator GJB
Date Acquired 7/3/1923 14:59
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.49	8905584	10229353	13
n-Decane	2.20	9127333	10229353	11
n-Dodecane	3.17	9240591	10229353	10
n-Tetradecane	3.89	9680226	10229353	5
n-Hexadecane	4.50	9887381	10229353	3
n-Octadecane	5.04	10466738	10229353	-2
n-Eicosane	5.62	10360748	10229353	-1
n-Docosane	6.34	10433585	10229353	-2
n-Tetracosane	7.17	10652952	10229353	-4
n-Hexacosane	7.98	10814964	10229353	-6
n-Octacosane	8.72	10820831	10229353	-6
n-Triacontane	9.41	10831733	10229353	-6
n-Dotriacontane	10.04	10815765	10229353	-6
n-Tetratriacontane	10.63	10925253	10229353	-7
n-Hexatriacontane	11.19	10476619	10229353	-2

Samples
23F2513-08RE1
23F3770-16
23F3199-09

*One compound allowed %D</=50

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Pace New England

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 23F3199

Laboratory Sample ID(s):
23F3199-01 thru 23F3199-10

Sample Date(s):
06/22/2023

List RCP Methods Used:
CTDEP ETPH, SW-846 8260D, SW-846 8270E

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.

Meghan E. Kelley

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: Meghan E. Kelley **Position:** **Reporting Specialist**

Printed Name: **Meghan E. Kelley** **Date:** **07/07/23**

Name of Laboratory: **Pace New England**

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