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*: LUST/PCB Document Type
Date of Document*: 5/15/2023 Version: Final

Part IV: Submitter Information

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

May 15, 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 – 1st 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 fourteen monitoring wells including MW-CCA-3, MW-CCA-5, MW-T3, MW-T6 MW-TRW1, MW-2A, MW-6, MW-10, MW-11A, MW-101, MW-102, MW-202, MW-203, and MW-310, and analyzed for various parameters. A duplicate groundwater sample (DUP-1) was collected from MW-202 and a trip blank was submitted for quality assurance/quality control (QA/QC) purposes. A groundwater sample could not be collected from MW-4R because it was dry. 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-T3, MW-TRW1, MW-101, MW-102, and MW-310.

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.

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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May 10, 2023

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: 23C2517

Enclosed are results of analyses for samples as received by the laboratory on March 22, 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 Yellen

REPORT DATE: 5/10/2023

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C2517

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-CCA3	23C2517-01	Ground Water		SW-846 8270E	
MW-CCA5	23C2517-02	Ground Water		CTDEP ETPH	
MW-TRW1	23C2517-03	Ground Water		CTDEP ETPH	
MW-2A	23C2517-04	Ground Water		CTDEP ETPH	
MW-11A	23C2517-05	Ground Water		CTDEP ETPH	
MW-6	23C2517-06	Ground Water		CTDEP ETPH	
				SW-846 8015C	
MW-10	23C2517-07	Ground Water		CTDEP ETPH	
MW-T3	23C2517-08	Ground Water		-	
				CTDEP ETPH	
				MADEP EPH rev 2.1	
				MADEP-VPH-Feb 2018 Rev 2.1	
				SW-846 8270E	
MW-T6	23C2517-09	Ground Water		CTDEP ETPH	
MW-202	23C2517-10	Ground Water		CTDEP ETPH	
MW-203	23C2517-11	Ground Water		CTDEP ETPH	
MW-310	23C2517-12	Ground Water		CTDEP ETPH	
MW-101	23C2517-13	Ground Water		CTDEP ETPH	
MW-102	23C2517-14	Ground Water		CTDEP ETPH	
				SW-846 8260D	
MW-400	23C2517-15	Ground Water		CTDEP ETPH	
MW-401	23C2517-16	Ground Water		CTDEP ETPH	
MW-402	23C2517-17	Ground Water		CTDEP ETPH	
MW-403	23C2517-18	Ground Water		CTDEP ETPH	
DUP-1	23C2517-19	Ground Water		CTDEP ETPH	
TRIP BLANK	23C2517-20	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.

REVISED RPORT: ID update from MW-TRW to MW-TRW1. 4/28/23

CTDEP ETPH

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23C2517-16RE1[MW-401]

S-10

Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits. Data from analysis performed outside of holding time is also reported since surrogate recovery is acceptable.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
23C2517-16[MW-401]

SW-846 8260D

Qualifications:

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)
S085004-CCV1

Acetone
S085004-CCV1

Tetrahydrofuran
S085004-CCV1

trans-1,4-Dichloro-2-butene
S085004-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:

Carbon Disulfide
B335001-BS1, S085004-CCV1

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MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

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.



Rebecca Faust
Project Manager 1

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-CCA3 | Sampled: 3/21/2023 12:40

Sample ID: 23C2517-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Dibenz(a,h)anthracene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Fluorene (SIM)	ND	0.98	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF
Pyrene (SIM)	ND	0.98	µg/L	1		SW-846 8270E	3/23/23	3/27/23 17:48	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	75.8	30-130		3/27/23 17:48
2-Fluorobiphenyl	63.5	30-130		3/27/23 17:48
p-Terphenyl-d14	85.8	30-130		3/27/23 17:48

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: MW-CCA5
Sampled: 3/21/2023 14:50
Sample ID: 23C2517-02
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	3/28/23	3/29/23 13:11	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	67.7	50-150		3/29/23 13:11

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: MW-TRW1
Sampled: 3/21/2023 12:10
Sample ID: 23C2517-03
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.49	0.19	mg/L	1		CTDEP ETPH	3/28/23	3/29/23 13:31	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	63.4	50-150		3/29/23 13:31

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-2A | Sampled: 3/21/2023 12:15

Sample ID: 23C2517-04

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	3/28/23	3/31/23 18:31	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	66.9	50-150		3/31/23 18:31

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: MW-11A
Sampled: 3/21/2023 11:30
Sample ID: 23C2517-05
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.24	0.20	mg/L	1		CTDEP ETPH	3/28/23	3/30/23 13:05	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	66.8	50-150		3/30/23 13:05

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: MW-6
Sampled: 3/21/2023 09:20
Sample ID: 23C2517-06
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	3/28/23	3/29/23 22:08	GJB
TPH (C9-C36)	ND	0.19	mg/L	1		SW-846 8015C	3/28/23	3/29/23 22:08	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorobiphenyl	75.6	50-150		3/29/23	22:08
2-Fluorobiphenyl	68.1	40-140		3/29/23	22:08

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-10 | Sampled: 3/21/2023 10:40

Sample ID: 23C2517-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.19	mg/L	1		CTDEP ETPH	3/28/23	3/29/23 22:49	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	65.2	50-150		3/29/23 22:49

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-T3 | Sampled: 3/21/2023 11:15

Sample ID: 23C2517-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Benzo(g,h,i)perylene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Chrysene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	3/28/23	3/30/23 13:17	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl (OTP)	46.4	30-130				3/30/23 13:17	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-T3 | Sampled: 3/21/2023 11:15

Sample ID: 23C2517-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2.1	0.18	mg/L	1		CTDEP ETPH	3/28/23	3/30/23 11:17	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	61.2	50-150		3/30/23 11:17

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-T3 | Sampled: 3/21/2023 11:15

Sample ID: 23C2517-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
C19-C36 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
Unadjusted C11-C22 Aromatics	180	97	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
C11-C22 Aromatics	180	97	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/28/23	3/29/23 21:20	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	41.8	40-140		3/29/23 21:20
o-Terphenyl (OTP)	46.4	40-140		3/29/23 21:20
2-Bromonaphthalene	77.2	40-140		3/29/23 21:20
2-Fluorobiphenyl	89.0	40-140		3/29/23 21:20

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-T3 | Sampled: 3/21/2023 11:15

Sample ID: 23C2517-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	3/23/23	3/23/23 22:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	115	70-130			3/23/23 22:40
2,5-Dibromotoluene (PID)	111	70-130			3/23/23 22:40

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-T6
Sampled: 3/21/2023 10:45

Sample ID: 23C2517-09

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	3/28/23	3/29/23 23:10	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	62.1	50-150		3/29/23 23:10

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-202
Sampled: 3/21/2023 13:40

Sample ID: 23C2517-10

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	3/28/23	3/29/23 23:30	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	62.2	50-150		3/29/23 23:30

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-203 | Sampled: 3/21/2023 12:55

Sample ID: 23C2517-11

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	3/28/23	3/30/23 19:07	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	54.7	50-150		3/30/23 19:07

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-310 | Sampled: 3/21/2023 13:50

Sample ID: 23C2517-12

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4.0	0.78	mg/L	4		CTDEP ETPH	3/28/23	3/30/23 13:27	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	57.9	50-150		3/30/23 13:27

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: MW-101
Sampled: 3/21/2023 14:25
Sample ID: 23C2517-13
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.79	0.19	mg/L	1		CTDEP ETPH	3/28/23	3/30/23 22:22	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	65.7	50-150		3/30/23 22:22

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-102 | Sampled: 3/21/2023 10:00

Sample ID: 23C2517-14

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 8260D	3/23/23	3/24/23 4:45	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Chloromethane	ND	0.60	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-102 | Sampled: 3/21/2023 10:00

Sample ID: 23C2517-14

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	3/23/23	3/24/23 4:45	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/24/23 4:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	109	70-130		3/24/23	4:45
Toluene-d8	102	70-130		3/24/23	4:45
4-Bromofluorobenzene	101	70-130		3/24/23	4:45

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: MW-102
Sampled: 3/21/2023 10:00
Sample ID: 23C2517-14
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.27	0.20	mg/L	1		CTDEP ETPH	3/28/23	3/29/23 11:28	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	69.1	50-150		3/29/23 11:28

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-400 | Sampled: 3/21/2023 13:45

Sample ID: 23C2517-15

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	3/28/23	3/29/23 11:49	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	73.5	50-150		3/29/23 11:49

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-401 | Sampled: 3/21/2023 15:05

Sample ID: 23C2517-16

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	3/28/23	3/29/23 12:10	RDD
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	3/31/23	4/3/23 11:41	GJB

Surrogates	% Recovery		Recovery Limits	Flag/Qual		
2-Fluorobiphenyl	**43.9**	*	50-150	S-10	3/29/23 12:10	
2-Fluorobiphenyl	79.3		50-150		4/3/23 11:41	

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: MW-402
Sampled: 3/21/2023 16:10
Sample ID: 23C2517-17
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	3/28/23	3/29/23 12:30	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	63.1	50-150		3/29/23 12:30

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: MW-403
Sampled: 3/21/2023 15:35

Sample ID: 23C2517-18

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	3/28/23	3/31/23 18:51	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	61.9	50-150		3/31/23 18:51

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Project Location: Simsbury, CT
Sample Description:
Work Order: 23C2517
Date Received: 3/22/2023
Field Sample #: DUP-1
Sampled: 3/21/2023 00:00
Sample ID: 23C2517-19
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	3/28/23	3/29/23 12:51	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	62.9	50-150		3/29/23 12:51

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: TRIP BLANK | Sampled: 3/21/2023 00:00

Sample ID: 23C2517-20

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Chloromethane	ND	0.60	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23C2517

Date Received: 3/22/2023

Field Sample #: TRIP BLANK | Sampled: 3/21/2023 00:00

Sample ID: 23C2517-20

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	3/23/23	3/23/23 22:19	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	3/23/23	3/23/23 22:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		3/23/23 22:19
Toluene-d8	101	70-130		3/23/23 22:19
4-Bromofluorobenzene	101	70-130		3/23/23 22:19

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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
23C2517-02 [MW-CCA5]	B335320	1000	1.00	03/28/23
23C2517-03 [MW-TRW1]	B335320	1040	1.00	03/28/23
23C2517-04 [MW-2A]	B335320	1000	1.00	03/28/23
23C2517-05 [MW-11A]	B335320	1000	1.00	03/28/23
23C2517-07 [MW-10]	B335320	1030	1.00	03/28/23
23C2517-08 [MW-T3]	B335320	980	0.900	03/28/23
23C2517-09 [MW-T6]	B335320	1000	1.00	03/28/23
23C2517-10 [MW-202]	B335320	1000	1.00	03/28/23
23C2517-11 [MW-203]	B335320	1000	1.00	03/28/23
23C2517-12 [MW-310]	B335320	1030	1.00	03/28/23
23C2517-13 [MW-101]	B335320	950	0.900	03/28/23
23C2517-14 [MW-102]	B335320	900	0.900	03/28/23
23C2517-15 [MW-400]	B335320	1000	1.00	03/28/23
23C2517-16 [MW-401]	B335320	1000	1.00	03/28/23
23C2517-17 [MW-402]	B335320	1000	1.00	03/28/23
23C2517-18 [MW-403]	B335320	1000	1.00	03/28/23
23C2517-19 [DUP-1]	B335320	900	0.900	03/28/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-06RE1 [MW-6]	B335406	1000	1.00	03/28/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-16RE1 [MW-401]	B335754	1000	1.00	03/31/23

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-08 [MW-T3]	B335393	980	1.90	03/28/23

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-08 [MW-T3]	B334979	5	5.00	03/23/23

Prep Method: SW-846 3510C **Analytical Method: SW-846 8015C**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-06RE1 [MW-6]	B335598	965	0.900	03/28/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-14 [MW-102]	B335001	5	5.00	03/23/23

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-20 [TRIP BLANK]	B335001	5	5.00	03/23/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-01 [MW-CCA3]	B334945	1020	1.00	03/23/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2517-08 [MW-T3]	B335635	980	1.90	03/28/23

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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 B335001 - SW-846 5030B										
Blank (B335001-BLK1)				Prepared & Analyzed: 03/23/23						
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							
Ethanol	ND	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							

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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 B335001 - SW-846 5030B										
Blank (B335001-BLK1)				Prepared & Analyzed: 03/23/23						
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.7*		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130			
LCS (B335001-BS1)				Prepared & Analyzed: 03/23/23						
Acetone	101	10	µg/L	100		101	40-160			
Acrylonitrile	9.87	2.0	µg/L	10.0		98.7	70-130			
Benzene	9.97	0.50	µg/L	10.0		99.7	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	10.0	0.50	µg/L	10.0		100	70-130			
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160			
2-Butanone (MEK)	99.6	5.0	µg/L	100		99.6	40-160			
n-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130			
Carbon Disulfide	120	5.0	µg/L	100		120	70-130			V-20
Carbon Tetrachloride	10.8	0.50	µg/L	10.0		108	70-130			
Chlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	40-160			
Chloroethane	11.8	0.50	µg/L	10.0		118	70-130			
Chloroform	10.4	0.50	µg/L	10.0		104	70-130			
Chloromethane	9.99	0.60	µg/L	10.0		99.9	40-160			
2-Chlorotoluene	9.21	0.50	µg/L	10.0		92.1	70-130			
4-Chlorotoluene	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.25	1.0	µg/L	10.0		82.5	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130			
Dibromomethane	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	9.94	0.50	µg/L	10.0		99.4	70-130			
1,4-Dichlorobenzene	9.55	0.50	µg/L	10.0		95.5	70-130			
trans-1,4-Dichloro-2-butene	8.13	2.0	µg/L	10.0		81.3	70-130			
Dichlorodifluoromethane (Freon 12)	9.84	0.50	µg/L	10.0		98.4	40-160			
1,1-Dichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichloroethane	9.83	0.50	µg/L	10.0		98.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B335001 - SW-846 5030B										
LCS (B335001-BS1)				Prepared & Analyzed: 03/23/23						
1,1-Dichloroethylene	11.4	0.50	µg/L	10.0		114	70-130			
cis-1,2-Dichloroethylene	10.9	0.50	µg/L	10.0		109	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloropropane	9.83	0.50	µg/L	10.0		98.3	70-130			
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130			
2,2-Dichloropropane	9.83	0.50	µg/L	10.0		98.3	70-130			
1,1-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
trans-1,3-Dichloropropene	9.78	0.50	µg/L	10.0		97.8	70-130			
Ethanol	91.4	50	µg/L	100		91.4	70-130			
Ethylbenzene	10.1	0.50	µg/L	10.0		101	70-130			
Hexachlorobutadiene	9.58	0.60	µg/L	10.0		95.8	40-160			
2-Hexanone (MBK)	95.1	5.0	µg/L	100		95.1	70-130			
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102	70-130			
p-Isopropyltoluene (p-Cymene)	9.85	0.50	µg/L	10.0		98.5	70-130			
Methyl tert-Butyl Ether (MTBE)	9.81	0.50	µg/L	10.0		98.1	70-130			
Methylene Chloride	11.2	5.0	µg/L	10.0		112	70-130			
4-Methyl-2-pentanone (MIBK)	97.3	5.0	µg/L	100		97.3	40-160			
Naphthalene	8.44	2.0	µg/L	10.0		84.4	70-130			
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130			
1,1,2,2-Tetrachloroethane	9.47	0.50	µg/L	10.0		94.7	70-130			
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
Tetrahydrofuran	8.91	10	µg/L	10.0		89.1	70-130			
Toluene	10.1	1.0	µg/L	10.0		101	70-130			
1,2,3-Trichlorobenzene	9.28	1.0	µg/L	10.0		92.8	70-130			
1,2,4-Trichlorobenzene	9.39	0.50	µg/L	10.0		93.9	70-130			
1,1,1-Trichloroethane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2-Trichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	11.3	2.0	µg/L	10.0		113	40-160			
1,2,3-Trichloropropane	9.41	0.50	µg/L	10.0		94.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	0.50	µg/L	10.0		108	70-130			
1,2,4-Trimethylbenzene	9.81	0.50	µg/L	10.0		98.1	70-130			
1,3,5-Trimethylbenzene	10.1	0.50	µg/L	10.0		101	70-130			
Vinyl Chloride	12.0	1.0	µg/L	10.0		120	70-130			
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.0*		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103	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 B334945 - SW-846 3510C										
Blank (B334945-BLK1)				Prepared: 03/23/23 Analyzed: 03/27/23						
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	*74.7*		µg/L	100		74.7	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*70.2*		µg/L	100		70.2	30-130			
Surrogate: 2-Fluorobiphenyl	*61.6*		µg/L	100		61.6	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*58.4*		µg/L	100		58.4	30-130			
Surrogate: p-Terphenyl-d14	*101*		µg/L	100		101	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*87.7*		µg/L	100		87.7	30-130			
LCS (B334945-BS1)				Prepared: 03/23/23 Analyzed: 03/27/23						
Acenaphthene (SIM)	31.3	6.0	µg/L	50.0		62.6	40-140			
Acenaphthylene (SIM)	33.1	4.0	µg/L	50.0		66.2	40-140			
Anthracene (SIM)	38.1	4.0	µg/L	50.0		76.1	40-140			
Benzo(a)anthracene (SIM)	36.9	1.0	µg/L	50.0		73.8	40-140			
Benzo(a)pyrene (SIM)	34.8	2.0	µg/L	50.0		69.6	40-140			
Benzo(b)fluoranthene (SIM)	39.0	1.0	µg/L	50.0		78.0	40-140			
Benzo(g,h,i)perylene (SIM)	36.6	10	µg/L	50.0		73.2	40-140			
Benzo(k)fluoranthene (SIM)	41.3	4.0	µg/L	50.0		82.6	40-140			
Chrysene (SIM)	35.8	4.0	µg/L	50.0		71.6	40-140			
Dibenz(a,h)anthracene (SIM)	36.1	2.0	µg/L	50.0		72.2	40-140			
Fluoranthene (SIM)	34.9	10	µg/L	50.0		69.9	40-140			
Fluorene (SIM)	34.0	20	µg/L	50.0		68.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	37.9	2.0	µg/L	50.0		75.7	40-140			
2-Methylnaphthalene (SIM)	27.3	20	µg/L	50.0		54.6	40-140			
Naphthalene (SIM)	23.4	20	µg/L	50.0		46.8	40-140			
Phenanthrene (SIM)	37.1	1.0	µg/L	50.0		74.1	40-140			
Pyrene (SIM)	38.5	20	µg/L	50.0		77.0	40-140			
Surrogate: Nitrobenzene-d5	*71.3*		µg/L	100		71.3	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*68.9*		µg/L	100		68.9	30-130			
Surrogate: 2-Fluorobiphenyl	*63.3*		µg/L	100		63.3	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*67.7*		µg/L	100		67.7	30-130			
Surrogate: p-Terphenyl-d14	*87.2*		µg/L	100		87.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*88.1*		µg/L	100		88.1	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334945 - SW-846 3510C										
LCS Dup (B334945-BSD1)				Prepared: 03/23/23 Analyzed: 03/27/23						
Acenaphthene (SIM)	32.3	6.0	µg/L	50.0		64.5	40-140	3.02	20	
Acenaphthylene (SIM)	34.2	4.0	µg/L	50.0		68.5	40-140	3.39	20	
Anthracene (SIM)	39.2	4.0	µg/L	50.0		78.3	40-140	2.85	20	
Benzo(a)anthracene (SIM)	37.8	1.0	µg/L	50.0		75.6	40-140	2.36	20	
Benzo(a)pyrene (SIM)	35.8	2.0	µg/L	50.0		71.5	40-140	2.78	20	
Benzo(b)fluoranthene (SIM)	40.2	1.0	µg/L	50.0		80.4	40-140	2.93	20	
Benzo(g,h,i)perylene (SIM)	37.8	10	µg/L	50.0		75.6	40-140	3.23	20	
Benzo(k)fluoranthene (SIM)	43.0	4.0	µg/L	50.0		86.0	40-140	3.94	20	
Chrysene (SIM)	36.5	4.0	µg/L	50.0		73.0	40-140	2.05	20	
Dibenz(a,h)anthracene (SIM)	37.3	2.0	µg/L	50.0		74.6	40-140	3.27	20	
Fluoranthene (SIM)	35.6	10	µg/L	50.0		71.2	40-140	1.93	20	
Fluorene (SIM)	34.7	20	µg/L	50.0		69.5	40-140	2.09	20	
Indeno(1,2,3-cd)pyrene (SIM)	38.8	2.0	µg/L	50.0		77.6	40-140	2.50	20	
2-Methylnaphthalene (SIM)	28.4	20	µg/L	50.0		56.8	40-140	3.81	20	
Naphthalene (SIM)	24.6	20	µg/L	50.0		49.3	40-140	5.08	20	
Phenanthrene (SIM)	38.2	1.0	µg/L	50.0		76.4	40-140	3.03	20	
Pyrene (SIM)	39.9	20	µg/L	50.0		79.8	40-140	3.52	20	
Surrogate: Nitrobenzene-d5	*74.1*		µg/L	100		74.1	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*73.8*		µg/L	100		73.8	30-130			
Surrogate: 2-Fluorobiphenyl	*64.8*		µg/L	100		64.8	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*69.2*		µg/L	100		69.2	30-130			
Surrogate: p-Terphenyl-d14	*82.0*		µg/L	100		82.0	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*87.7*		µg/L	100		87.7	30-130			
Batch B335635 - SW-846 3510C										
Blank (B335635-BLK1)				Prepared: 03/28/23 Analyzed: 03/31/23						
Acenaphthylene (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	0.10	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.10	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Surrogate: o-Terphenyl (OTP)	*61.3*		µg/L	100		61.3	30-130			
LCS (B335635-BS1)				Prepared: 03/28/23 Analyzed: 03/30/23						
Acenaphthylene (SIM)	55.1	4.0	µg/L	100		55.1	40-140			
Benzo(a)anthracene (SIM)	62.1	1.0	µg/L	100		62.1	40-140			
Benzo(a)pyrene (SIM)	60.0	2.0	µg/L	100		60.0	40-140			
Benzo(b)fluoranthene (SIM)	60.0	1.0	µg/L	100		60.0	40-140			
Benzo(g,h,i)perylene (SIM)	59.4	2.0	µg/L	100		59.4	40-140			
Benzo(k)fluoranthene (SIM)	63.0	4.0	µg/L	100		63.0	40-140			
Chrysene (SIM)	64.8	2.0	µg/L	100		64.8	40-140			
Dibenz(a,h)anthracene (SIM)	64.1	2.0	µg/L	100		64.1	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	61.0	2.0	µg/L	100		61.0	40-140			
Phenanthrene (SIM)	62.6	1.0	µg/L	100		62.6	40-140			
Surrogate: o-Terphenyl (OTP)	*59.0*		µg/L	100		59.0	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 B335635 - SW-846 3510C										
LCS Dup (B335635-BSD1)				Prepared: 03/28/23 Analyzed: 03/30/23						
Acenaphthylene (SIM)	53.7	4.0	µg/L	100		53.7	40-140	2.50	20	
Benzo(a)anthracene (SIM)	61.0	1.0	µg/L	100		61.0	40-140	1.82	20	
Benzo(a)pyrene (SIM)	59.4	2.0	µg/L	100		59.4	40-140	1.07	20	
Benzo(b)fluoranthene (SIM)	60.0	1.0	µg/L	100		60.0	40-140	0.0667	20	
Benzo(g,h,i)perylene (SIM)	56.4	2.0	µg/L	100		56.4	40-140	5.25	20	
Benzo(k)fluoranthene (SIM)	63.4	4.0	µg/L	100		63.4	40-140	0.696	20	
Chrysene (SIM)	64.4	2.0	µg/L	100		64.4	40-140	0.620	20	
Dibenz(a,h)anthracene (SIM)	60.2	2.0	µg/L	100		60.2	40-140	6.31	20	
Indeno(1,2,3-cd)pyrene (SIM)	57.6	2.0	µg/L	100		57.6	40-140	5.87	20	
Phenanthrene (SIM)	62.9	1.0	µg/L	100		62.9	40-140	0.382	20	
Surrogate: o-Terphenyl (OTP)	*59.4*		µg/L	100		59.4	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 B335320 - SW-846 3510C										
Blank (B335320-BLK1)				Prepared & Analyzed: 03/28/23						
CT ETPH	ND	0.20	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0611*		mg/L	0.100		61.1	50-150			
LCS (B335320-BS1)				Prepared & Analyzed: 03/28/23						
CT ETPH	0.601	0.20	mg/L	1.00		60.1	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0575*		mg/L	0.100		57.5	50-150			
LCS Dup (B335320-BSD1)				Prepared & Analyzed: 03/28/23						
CT ETPH	0.633	0.20	mg/L	1.00		63.3	60-120	5.25	30	
Surrogate: 2-Fluorobiphenyl	*0.0620*		mg/L	0.100		62.0	50-150			
Batch B335406 - SW-846 3510C										
Blank (B335406-BLK1)				Prepared: 03/28/23 Analyzed: 03/29/23						
CT ETPH	ND	0.20	mg/L							
TPH (C9-C36)	ND	0.20	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0651*		mg/L	0.100		65.1	50-150			
Surrogate: 2-Fluorobiphenyl	*0.0651*		mg/L	0.100		65.1	40-140			
LCS (B335406-BS1)				Prepared: 03/28/23 Analyzed: 03/29/23						
CT ETPH	0.685	0.20	mg/L	1.00		68.5	60-120			
TPH (C9-C36)	0.740	0.20	mg/L	1.00		74.0	40-140			
Surrogate: 2-Fluorobiphenyl	*0.0767*		mg/L	0.100		76.7	40-140			
Surrogate: 2-Fluorobiphenyl	*0.0767*		mg/L	0.100		76.7	50-150			
LCS Dup (B335406-BSD1)				Prepared: 03/28/23 Analyzed: 03/29/23						
CT ETPH	0.651	0.20	mg/L	1.00		65.1	60-120	5.12	30	
TPH (C9-C36)	0.703	0.20	mg/L	1.00		70.3	40-140	5.09	25	
Surrogate: 2-Fluorobiphenyl	*0.0677*		mg/L	0.100		67.7	40-140			
Surrogate: 2-Fluorobiphenyl	*0.0677*		mg/L	0.100		67.7	50-150			
Batch B335598 - SW-846 3510C										
Blank (B335598-BLK1)				Prepared: 03/28/23 Analyzed: 03/29/23						
TPH (C9-C36)	ND	0.20	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0651*		mg/L	0.100		65.1	40-140			
LCS (B335598-BS1)				Prepared: 03/28/23 Analyzed: 03/29/23						
TPH (C9-C36)	0.740	0.20	mg/L	1.00		74.0	40-140			
Surrogate: 2-Fluorobiphenyl	*0.0767*		mg/L	0.100		76.7	40-140			

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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 B335598 - SW-846 3510C										
LCS Dup (B335598-BSD1)				Prepared: 03/28/23 Analyzed: 03/29/23						
TPH (C9-C36)	0.703	0.20	mg/L	1.00		70.3	40-140	5.09	25	
Surrogate: 2-Fluorobiphenyl	*0.0677*		mg/L	0.100		67.7	40-140			
Batch B335754 - SW-846 3510C										
Blank (B335754-BLK1)				Prepared: 03/31/23 Analyzed: 04/03/23						
CT ETPH	ND	0.20	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0836*		mg/L	0.100		83.6	50-150			
LCS (B335754-BS1)				Prepared: 03/31/23 Analyzed: 04/03/23						
CT ETPH	0.747	0.20	mg/L	1.00		74.7	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0833*		mg/L	0.100		83.3	50-150			
LCS Dup (B335754-BSD1)				Prepared: 03/31/23 Analyzed: 04/03/23						
CT ETPH	0.707	0.20	mg/L	1.00		70.7	60-120	5.51	30	
Surrogate: 2-Fluorobiphenyl	*0.0782*		mg/L	0.100		78.2	50-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B335393 - SW-846 3510C										
Blank (B335393-BLK1)				Prepared: 03/28/23 Analyzed: 03/30/23						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Naphthalene-aliphatic fraction	ND	2.0	µg/L							
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*52.4*		µg/L	100		52.4	40-140			
Surrogate: o-Terphenyl (OTP)	*53.7*		µg/L	100		53.7	40-140			
Surrogate: 2-Bromonaphthalene	*67.4*		µg/L	100		67.4	40-140			
Surrogate: 2-Fluorobiphenyl	*75.9*		µg/L	100		75.9	40-140			
LCS (B335393-BS1)				Prepared: 03/28/23 Analyzed: 03/29/23						
C9-C18 Aliphatics	426	100	µg/L	600		71.0	40-140			
C19-C36 Aliphatics	664	100	µg/L	800		83.1	40-140			
Unadjusted C11-C22 Aromatics	1150	100	µg/L	1700		67.5	40-140			
Acenaphthene	55.9	2.0	µg/L	100		55.9	40-140			
Anthracene	60.9	2.0	µg/L	100		60.9	40-140			
Fluoranthene	60.6	2.0	µg/L	100		60.6	40-140			
Fluorene	57.5	2.0	µg/L	100		57.5	40-140			
2-Methylnaphthalene	55.3	2.0	µg/L	100		55.3	40-140			
Naphthalene	49.9	2.0	µg/L	100		49.9	40-140			
Pyrene	61.8	2.0	µg/L	100		61.8	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*44.8*		µg/L	100		44.8	40-140			
Surrogate: o-Terphenyl (OTP)	*54.9*		µg/L	100		54.9	40-140			
Surrogate: 2-Bromonaphthalene	*57.6*		µg/L	100		57.6	40-140			
Surrogate: 2-Fluorobiphenyl	*75.1*		µg/L	100		75.1	40-140			
LCS Dup (B335393-BSD1)				Prepared: 03/28/23 Analyzed: 03/29/23						
C9-C18 Aliphatics	421	100	µg/L	600		70.1	40-140	1.26	25	
C19-C36 Aliphatics	656	100	µg/L	800		82.0	40-140	1.30	25	
Unadjusted C11-C22 Aromatics	1240	100	µg/L	1700		72.7	40-140	7.43	25	
Acenaphthene	59.6	2.0	µg/L	100		59.6	40-140	6.49	25	
Anthracene	66.4	2.0	µg/L	100		66.4	40-140	8.60	25	
Fluoranthene	65.9	2.0	µg/L	100		65.9	40-140	8.46	25	
Fluorene	62.4	2.0	µg/L	100		62.4	40-140	8.21	25	
2-Methylnaphthalene	58.8	2.0	µg/L	100		58.8	40-140	6.11	25	
Naphthalene	52.4	2.0	µg/L	100		52.4	40-140	4.84	25	
Pyrene	67.2	2.0	µg/L	100		67.2	40-140	8.28	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*44.7*		µg/L	100		44.7	40-140			
Surrogate: o-Terphenyl (OTP)	*59.6*		µg/L	100		59.6	40-140			
Surrogate: 2-Bromonaphthalene	*63.6*		µg/L	100		63.6	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B335393 - SW-846 3510C										
LCS Dup (B335393-BSD1)				Prepared: 03/28/23 Analyzed: 03/29/23						
Surrogate: 2-Fluorobiphenyl	*84.2*		µg/L	100		84.2	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334979 - MA VPH										
Blank (B334979-BLK1)				Prepared & Analyzed: 03/23/23						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*35.5*		µg/L	40.0		88.8	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*35.0*		µg/L	40.0		87.4	70-130			
LCS (B334979-BS1)				Prepared & Analyzed: 03/23/23						
Unadjusted C5-C8 Aliphatics	150	100	µg/L	150		100	70-130			
Unadjusted C9-C12 Aliphatics	150	100	µg/L	150		99.8	70-130			
C9-C10 Aromatics	49.9	100	µg/L	50.0		99.8	70-130			
Benzene	51.3	1.0	µg/L	50.0		103	70-130			
Butylcyclohexane	54.0	1.0	µg/L	50.0		108	70-130			
Decane	40.7	1.0	µg/L	50.0		81.5	70-130			
Ethylbenzene	50.9	1.0	µg/L	50.0		102	70-130			
Methyl tert-Butyl Ether (MTBE)	50.6	1.0	µg/L	50.0		101	70-130			
2-Methylpentane	53.4	1.0	µg/L	50.0		107	70-130			
Naphthalene	44.3	5.0	µg/L	50.0		88.7	70-130			
Nonane	55.0	1.0	µg/L	50.0		110	30-130			
Pentane	49.7	1.0	µg/L	50.0		99.4	70-130			
Toluene	50.5	1.0	µg/L	50.0		101	70-130			
1,2,4-Trimethylbenzene	49.9	1.0	µg/L	50.0		99.8	70-130			
2,2,4-Trimethylpentane	47.0	1.0	µg/L	50.0		94.0	70-130			
m+p Xylene	102	2.0	µg/L	100		102	70-130			
o-Xylene	51.8	1.0	µg/L	50.0		104	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*40.8*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*40.5*		µg/L	40.0		101	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334979 - MA VPH										
LCS Dup (B334979-BSD1)				Prepared & Analyzed: 03/23/23						
Unadjusted C5-C8 Aliphatics	152	100	µg/L	150		102	70-130	1.53	25	
Unadjusted C9-C12 Aliphatics	151	100	µg/L	150		100	70-130	0.634	25	
C9-C10 Aromatics	50.5	100	µg/L	50.0		101	70-130	1.23	25	
Benzene	51.6	1.0	µg/L	50.0		103	70-130	0.465	25	
Butylcyclohexane	54.4	1.0	µg/L	50.0		109	70-130	0.692	25	
Decane	41.2	1.0	µg/L	50.0		82.5	70-130	1.20	25	
Ethylbenzene	51.6	1.0	µg/L	50.0		103	70-130	1.32	25	
Methyl tert-Butyl Ether (MTBE)	50.4	1.0	µg/L	50.0		101	70-130	0.446	25	
2-Methylpentane	53.5	1.0	µg/L	50.0		107	70-130	0.253	25	
Naphthalene	44.0	5.0	µg/L	50.0		88.0	70-130	0.720	25	
Nonane	55.1	1.0	µg/L	50.0		110	30-130	0.156	25	
Pentane	51.6	1.0	µg/L	50.0		103	70-130	3.67	25	
Toluene	51.2	1.0	µg/L	50.0		102	70-130	1.44	25	
1,2,4-Trimethylbenzene	50.5	1.0	µg/L	50.0		101	70-130	1.23	25	
2,2,4-Trimethylpentane	47.3	1.0	µg/L	50.0		94.6	70-130	0.668	25	
m+p Xylene	103	2.0	µg/L	100		103	70-130	1.16	25	
o-Xylene	52.2	1.0	µg/L	50.0		104	70-130	0.883	25	
Surrogate: 2,5-Dibromotoluene (FID)	*41.4*		µg/L	40.0		104	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*40.2*		µg/L	40.0		100	70-130			

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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.
H-06	Sample was extracted past the recommended holding time.
S-10	Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits. Data from analysis performed outside of holding time is also reported since surrogate recovery is acceptable.
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.

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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
MADEP EPH rev 2.1 in Water	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023

23C2517 RF

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Access COC's and Support Requests

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 2

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

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@wsinc.com
Fax To #:

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	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	ETPH	PAHs	8270	VPH	ETPH fingerprint
1	MW-CCA3	3/2/23	1240	Grab	GW	U		2				X				
2	MW-CCA5		1450					2				X				
3	MW-TRW1		1210					2				X				
4	MW-2A		1215					2				X				
5	MW-11A		1130					2				X				
6	MW-6		920					4				X			X	
7	MW-10		1040					2				X				
8	MW-T3		1115				2	4				X		X	X	
9	MW-T6		1045					2				X				
10	MW-202		1340					2				X				

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

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

[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)

Relinquished by: (signature)		Date/Time: 3/2/23 1453
Received by: (signature)		Date/Time: 3/2/23 1453
Relinquished by: (signature)		Date/Time: 3/2/23 1730
Received by: (signature)	49.21.33.25	Date/Time: 3/3/23 1130
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

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

Detection Limit Requirements
PA
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

RELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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.

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 153
Page 53 of 61
Table of Contents

Pace Analytical®
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Access COC's and Support Requests

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CHAIN OF CUSTODY RECORD
39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name: Weston + Sampson
Address:
Phone: 860 513-1473
Project Name: Eversource - Simsbury
Project Location: Simsbury, CT
Project Number:
Project Manager: Laura Willson
Pace Quote Name/Number: PO # 1100348 7 (Eversource)
Invoice Recipient: Eversource - Drew Blicharz
Sampled By: Will Siretnak

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 C 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
11	MW-203	3/21/23	1255	Grab	GW	U		2				X		
12	MW-310		1350					2				X		
13	MW-101		1425					2				X		
14	MW-102		1000				2	2				X		X
15	MW-400		1345					2				X		
16	MW-401		1505					2				X		
17	MW-402		1610					2				X		
18	MW-403		1535					2				X		
19	Dup-1		—					2				X		
20	TRIP BLANK		—			✓	2							X

Relinquished by: (signature) Date/Time: 3/22/23
Received by: (signature) Date/Time: 3/22/23 1453
Relinquished by: (signature) Date/Time: 3/22/23 1730
Received by: (signature) Date/Time: 3/22/23 1730
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments:
Bill Eversource - drew.blicharz@Eversource.com
Use PO - 1100348 7

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)

Lab 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.

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ENV-FRM-ELON-0009v02__Sample Receiving Checklist 1-12-20

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: Weston & Sampson
Project: Eversource - Simsbury
MCP/RCP Required: CT-RCP
Deliverable Package Req.: RCP - Like
Location: Simsbury, CT
PWSID# (When Applicable): n/a
Arrival Method:
Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time: Mem 3/22/23 1730
Back-Sheet By / Date / Time: Mem 3/22/23 1845
Temperature Method: Gun # 3/5
Temp ☑ < 6° C Actual Temperature: 21.25, 33.49
Rush Samples: Yes / No Notify: No
Short Hold: Yes / No Notify: No

	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	☑	☐

Notes regarding Samples/COC outside of SOP:

COC Included: (Check all included)
Client ☑ Analysis ☑ Sampler Name ☑
Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L (Amber) Plastic	4							
500 mL Amber Plastic								
250 mL Amber Plastic								
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	Yes		6						

C:\MSDCHEM\4\DATA\D032923.SEC\D23F088053.D

CT ETPH Discrimination Check

Data File Name D23F088053.D
Data File Path C:\MSDCHEM\4\DATA\D032923.SEC\
Operator GJB
Date Acquired 3/29/1923 19:44
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.80	7970111	8991103	11
C-10	2.41	8321085	8991103	7
C-12	3.33	8673149	8991103	4
C-14	4.04	9041617	8991103	-1
C-16	4.65	9282391	8991103	-3
C-18	5.21	9810526	8991103	-9
C-20	5.86	9596313	8991103	-7
C-22	6.64	9518594	8991103	-6
C-24	7.49	9548310	8991103	-6
C-26	8.30	9482812	8991103	-5
C-28	9.04	9230853	8991103	-3
C-30	9.72	8899414	8991103	1
C-32	10.36	8712210	8991103	3
C-34	10.95	8671407	8991103	4
C-36	11.51	8107750	8991103	10

*One compound allowed %D</=50

Samples
23C2517-06RE1
23C2517-07
23C2517-09
23C2517-10
23C2262-04RE1
23C2262-02RE1
23C2262-03RE1
23C2892-09
23C2892-08

C:\MSDCHEM\2\DATA\B033023.SEC\B23F089007.D

CT ETPH Discrimination Check

Data File Name B23F089007.D
Data File Path C:\MSDCHEM\2\DATA\B033023.SEC\
Operator GJB
Date Acquired 3/30/1923 10:56
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.50	9724558	11198927	13
n-Decane	2.20	9979607	11198927	11
n-Dodecane	3.17	10284361	11198927	8
n-Tetradecane	3.89	10615880	11198927	5
n-Hexadecane	4.50	11004752	11198927	2
n-Octadecane	5.05	11762400	11198927	-5
n-Eicosane	5.64	11591760	11198927	-4
n-Docosane	6.36	11636990	11198927	-4
n-Tetracosane	7.19	11826348	11198927	-6
n-Hexacosane	7.99	11900622	11198927	-6
n-Octacosane	8.73	11800462	11198927	-5
n-Triacontane	9.42	11655822	11198927	-4
n-Dotriacontane	10.05	11549464	11198927	-3
n-Tetratriacontane	10.64	11610720	11198927	-4
n-Hexatriacontane	11.21	11040155	11198927	1

Samples
23C2517-08
23C2517-05
23C2517-12@4X

*One compound allowed %D</=50

C:\MSDCHEM\2\DATA\B033023.SEC\B23F089049.D

CT ETPH Discrimination Check

Data File Name B23F089049.D
Data File Path C:\MSDCHEM\2\DATA\B033023.SEC\
Operator GJB
Date Acquired 3/30/1923 18:45
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.50	9699263	11172530	13
n-Decane	2.20	10046672	11172530	10
n-Dodecane	3.17	10238832	11172530	8
n-Tetradecane	3.89	10491126	11172530	6
n-Hexadecane	4.50	10876539	11172530	3
n-Octadecane	5.05	11595641	11172530	-4
n-Eicosane	5.63	11469151	11172530	-3
n-Docosane	6.36	11547272	11172530	-3
n-Tetracosane	7.19	11770201	11172530	-5
n-Hexacosane	7.99	11897352	11172530	-6
n-Octacosane	8.73	11818636	11172530	-6
n-Triacontane	9.42	11700229	11172530	-5
n-Dotriacontane	10.05	11642386	11172530	-4
n-Tetratriacontane	10.64	11693708	11172530	-5
n-Hexatriacontane	11.21	11100939	11172530	1

Samples

23C2517-11
23C2892-01
23C2892-12
23C2517-13
23C2892-02
23C2892-03
23C2892-07

*One compound allowed %D</=50

C:\MSDCHEM\4\DATA\D033123\D23F090006.D

CT ETPH Discrimination Check

Data File Name D23F090006.D
Data File Path C:\MSDCHEM\4\DATA\D033123\
Operator GJB
Date Acquired 3/31/1923 13:04
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	7417656	8646787	14
C-10	2.38	7647493	8646787	12
C-12	3.31	7894719	8646787	9
C-14	4.03	8272012	8646787	4
C-16	4.64	8628482	8646787	0
C-18	5.20	9287443	8646787	-7
C-20	5.85	9228289	8646787	-7
C-22	6.64	9288862	8646787	-7
C-24	7.49	9378034	8646787	-8
C-26	8.29	9310846	8646787	-8
C-28	9.03	9041199	8646787	-5
C-30	9.72	8796602	8646787	-2
C-32	10.35	8617512	8646787	0
C-34	10.95	8652545	8646787	0
C-36	11.51	8240108	8646787	5

*One compound allowed %D</=50

Samples
23C3163-01
23C3163-01RE1
23C3163-02
23C3163-02RE1
23C2517-04
23C2517-18

C:\MSDChem\4\DATA\D040323\D23F093006.D

CT ETPH Discrimination Check

Data File Name D23F093006.D
Data File Path C:\MSDChem\4\DATA\D040323\
Operator GJB
Date Acquired 4/3/1923 9:38
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	7341443	8461636	13
C-10	2.38	7572564	8461636	11
C-12	3.31	7771875	8461636	8
C-14	4.03	8106348	8461636	4
C-16	4.64	8441847	8461636	0
C-18	5.20	9086675	8461636	-7
C-20	5.85	9014696	8461636	-7
C-22	6.64	9064087	8461636	-7
C-24	7.49	9120321	8461636	-8
C-26	8.30	9049329	8461636	-7
C-28	9.03	8806860	8461636	-4
C-30	9.72	8580485	8461636	-1
C-32	10.35	8424031	8461636	0
C-34	10.95	8463124	8461636	0
C-36	11.51	8080862	8461636	5

Samples
23C2517-16RE1

*One compound allowed %D</=50

C:\MSDChem\4\DATA\D032923\D23F088006.D

CT ETPH Discrimination Check

Data File Name D23F088006.D
Data File Path C:\MSDChem\4\DATA\D032923\
Operator SFM
Date Acquired 3/29/1923 10:26
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	7115203	8281990	14
C-10	2.38	7328895	8281990	12
C-12	3.31	7612677	8281990	8
C-14	4.03	8002844	8281990	3
C-16	4.65	8335104	8281990	-1
C-18	5.21	8952192	8281990	-8
C-20	5.86	8865008	8281990	-7
C-22	6.65	8893083	8281990	-7
C-24	7.51	8929500	8281990	-8
C-26	8.31	8823664	8281990	-7
C-28	9.05	8572268	8281990	-4
C-30	9.73	8349960	8281990	-1
C-32	10.37	8223097	8281990	1
C-34	10.96	8286606	8281990	0
C-36	11.52	7939741	8281990	4

Samples
23C2517-14
23C2517-15
23C2517-16
23C2517-17
23C2517-19
23C2517-02
23C2517-03

*One compound allowed %D</=50