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*: 1/26/2024 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

January 26, 2024

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 – 4th 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-4R, 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. Two duplicate samples were collected; MW-4R is the parent sample for DUP-1 and MW-6 is the parent sample for DUP-2. As indicated in the enclosed laboratory analytical data report (Work Order 23L3359), 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-4R and MW-101.

In addition, post-remediation groundwater monitoring continued for Area of Potential Environmental Concern #4 (AOPEC-4). Groundwater samples were collected from monitoring wells MW-400, MW-401, MW-402, and MW-403, and analyzed for ETPH. The testing laboratory reported a QA/QC issue affecting the ETPH analysis of sample MW-403 in Work Order 23L3357 due to low recovery of one surrogate compound outside of established control limits. The laboratory re-extracted and re-tested the same sample, but the 7-day hold time for this analysis had been exceeded when the re-extraction was performed subsequently rendering the re-analyzed ETPH result for MW-403 unusable. As a result, well MW-403 was re-sampled on January 17, 2024, the new sample was analyzed for ETPH analysis under Work Order 24A1595, and the new analytical result met all QA/QC standards. ETPH was not detected in any of the AOPEC-4 wells as indicated in the enclosed laboratory analytical data reports.

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

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

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

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

January 4, 2024

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 23L3357

Enclosed are results of analyses for samples as received by the laboratory on December 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 Willson

REPORT DATE: 1/4/2024

PURCHASE ORDER NUMBER: 10072596

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23L3357

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-400	23L3357-01	Ground Water		CTDEP ETPH	
MW-401	23L3357-02	Ground Water		CTDEP ETPH	
MW-402	23L3357-03	Ground Water		CTDEP ETPH	
MW-403	23L3357-04	Ground Water		CTDEP ETPH	

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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.

CTDEP ETPH

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23L3357-04RE1[MW-403]

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
B361962-BSD1

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
23L3357-04[MW-403]

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
B361962-BLK1

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

Project Location: Simsbury, CT
Sample Description:
Work Order: 23L3357

Date Received: 12/22/2023

Field Sample #: MW-400
Sampled: 12/21/2023 12:10

Sample ID: 23L3357-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	12/28/23	1/3/24 13:13	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	50.8	50-150		1/3/24 13:13

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3357

Date Received: 12/22/2023

Field Sample #: MW-401 | Sampled: 12/21/2023 13:05

Sample ID: 23L3357-02

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	12/28/23	1/3/24 13:35	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	50.0	50-150		1/3/24 13:35

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3357

Date Received: 12/22/2023

Field Sample #: MW-402 | Sampled: 12/21/2023 10:50

Sample ID: 23L3357-03

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	12/28/23	1/3/24 13:13	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	50.8	50-150					1/3/24 13:13	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3357

Date Received: 12/22/2023

Field Sample #: MW-403 | Sampled: 12/21/2023 09:40

Sample ID: 23L3357-04

Sample Matrix: Ground Water

Sample Flags: H-06

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	1/3/24	1/4/24 12:09	SNB
CT ETPH	ND	0.20	mg/L	1		CTDEP ETPH	12/28/23	1/3/24 12:52	RDD

Surrogates	% Recovery		Recovery Limits	Flag/Qual			
2-Fluorobiphenyl	51.0		50-150				1/4/24 12:09
2-Fluorobiphenyl	**47.8**	*	50-150	S-10			1/3/24 12:52

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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
23L3357-01 [MW-400]	B361962	1020	1.00	12/28/23
23L3357-02 [MW-401]	B361962	1010	1.00	12/28/23
23L3357-03 [MW-402]	B361962	1010	1.00	12/28/23
23L3357-04 [MW-403]	B361962	1000	1.00	12/28/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23L3357-04RE1 [MW-403]	B362431	1000	1.00	01/03/24

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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 B361962 - SW-846 3510C											
Blank (B361962-BLK1)				Prepared: 12/28/23 Analyzed: 01/02/24							
CT ETPH	ND	0.20	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0489*		mg/L	0.100		**48.9**	*	50-150			S-26
LCS (B361962-BS1)				Prepared: 12/28/23 Analyzed: 01/02/24							
CT ETPH	0.609	0.20	mg/L	1.00		60.9		60-120			
Surrogate: 2-Fluorobiphenyl	*0.0628*		mg/L	0.100		62.8		50-150			
LCS Dup (B361962-BSD1)				Prepared: 12/28/23 Analyzed: 01/02/24							
CT ETPH	0.577	0.20	mg/L	1.00		**57.7**	*	60-120	5.43	30	L-07
Surrogate: 2-Fluorobiphenyl	*0.0575*		mg/L	0.100		57.5		50-150			
Batch B362431 - SW-846 3510C											
Blank (B362431-BLK1)				Prepared: 01/03/24 Analyzed: 01/04/24							
CT ETPH	ND	0.20	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0669*		mg/L	0.100		66.9		50-150			
LCS (B362431-BS1)				Prepared: 01/03/24 Analyzed: 01/04/24							
CT ETPH	0.654	0.20	mg/L	1.00		65.4		60-120			
Surrogate: 2-Fluorobiphenyl	*0.0696*		mg/L	0.100		69.6		50-150			
LCS Dup (B362431-BSD1)				Prepared: 01/03/24 Analyzed: 01/04/24							
CT ETPH	0.608	0.20	mg/L	1.00		60.8		60-120	7.32	30	
Surrogate: 2-Fluorobiphenyl	*0.0618*		mg/L	0.100		61.8		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.
H-06	Sample was extracted past the recommended holding time.
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.
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.
S-26	Surrogate outside of control limits.

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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

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

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23L3357RF

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Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Weston & Sampson
Address:	712 Brook St, Rocky Hill, CT
Phone:	860-513-1473
Project Name:	Eversource Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	
Project Manager:	Laura Willson
Pace Quote Name/Number:	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 ☐

Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

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

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	CT ETPH
	MW-400	12/21/23	1210	GRAB	GW	U						✓
	MW-401		1305	↓	↓	↓						✓
	MW-402		1050	↓	↓	↓						✓
	MW-403		0940	↓	↓	↓						✓
	MP C											

[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)

Relinquished by: (signature)	Date/Time:
Malia Beaker	12/21/23 1830
Received by: (signature)	Date/Time:
WS Fridge	12/21/23 1830
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Dan Belfante	12/22/23 1100
Relinquished by: (signature)	Date/Time:
Dan Belfante	12/22/23 1545
Received by: (signature)	Date/Time:
[signature] 3.1	12/22/23 1545
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

Detection Limit Requirements		Special Requirements	
MA		☐	MA MCP Required
			MCP Certification Form Required
		☑	CT RCP Required
CT			RCP Certification Form Required
		☐	MA State DW Required
Other:		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 ☐ Federal ☐ City ☐ Municipality ☑ MP 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐

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.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Weston & Sampson

Project Eversource Simsbury AWC

MCP/RCP Required CT 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 MEM 12/22/23 1545

Back-Sheet By / Date / Time STM 12/22/23 1634

Temperature Method Gun # 4

Temp ☒ < 6° C Actual Temperature 3.1

Rush Samples: Yes / ~~No~~ Notify

Short Hold: Yes / No Notify

Notes regarding Samples/COC outside of SOP:

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

	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 ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

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DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

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	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact					
1					2																											
2					2																											
3					2																											
4					2																											
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20																																

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Qualtrax ID: 120836

C:\MSDCHEM\2\DATA\B010324.SEC\B24F003007.D

CT ETPH Discrimination Check

Data File Name B24F003007.D
Data File Path C:\MSDCHEM\2\DATA\B010324.SEC\
Operator PJG
Date Acquired 1/3/1924 11:04
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.40	7642856	8937020	14
n-Decane	2.15	8061730	8937020	10
n-Dodecane	3.14	8256360	8937020	8
n-Tetradecane	3.87	8568184	8937020	4
n-Hexadecane	4.48	9097480	8937020	-2
n-Octadecane	5.02	9272026	8937020	-4
n-Eicosane	5.60	9359543	8937020	-5
n-Docosane	6.31	9098816	8937020	-2
n-Tetracosane	7.13	9169386	8937020	-3
n-Hexacosane	7.94	9231571	8937020	-3
n-Octacosane	8.68	9258175	8937020	-4
n-Triacontane	9.37	9378521	8937020	-5
n-Dotriacontane	10.00	9225624	8937020	-3
n-Tetratriacontane	10.59	9320922	8937020	-4
n-Hexatriacontane	11.15	9114099	8937020	-2

Samples
23L3359-05
23L3359-03
23L3357-04
23L3357-03
23L3357-02
23L3359-06

*One compound allowed %D</=50

C:\MSDCHEM\2\DATA\B010324\B24F003006.D

CT ETPH Discrimination Check

Data File Name B24F003006.D
Data File Path C:\MSDCHEM\2\DATA\B010324\
Operator PJG
Date Acquired 1/3/1924 10:43
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.23	9180545	10781228	15
n-Decane	1.99	9624257	10781228	11
n-Dodecane	3.00	9852660	10781228	9
n-Tetradecane	3.73	10167109	10781228	6
n-Hexadecane	4.34	10819293	10781228	0
n-Octadecane	4.89	11065350	10781228	-3
n-Eicosane	5.43	11305377	10781228	-5
n-Docosane	6.11	11078067	10781228	-3
n-Tetracosane	6.90	11190019	10781228	-4
n-Hexacosane	7.71	11265520	10781228	-4
n-Octacosane	8.46	11263795	10781228	-4
n-Triacontane	9.14	11392487	10781228	-6
n-Dotriacontane	9.78	11177606	10781228	-4
n-Tetratriacontane	10.38	11290328	10781228	-5
n-Hexatriacontane	10.95	11046000	10781228	-2

Samples
23L3407-01RE1
23L3357-01
23L3304-04

*One compound allowed %D</=50

C:\MSDChem\4\DATA\D010424.SEC\D24F004007.D

CT ETPH Discrimination Check

Data File Name D24F004007.D
Data File Path C:\MSDChem\4\DATA\D010424.SEC\
Operator PJG
Date Acquired 1/4/1924 9:08
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.69	8621193	10438633	17
C-10	2.34	9230359	10438633	12
C-12	3.29	9641159	10438633	8
C-14	4.00	10092884	10438633	3
C-16	4.62	10812925	10438633	-4
C-18	5.17	11064110	10438633	-6
C-20	5.80	11286441	10438633	-8
C-22	6.56	10997263	10438633	-5
C-24	7.41	11029054	10438633	-6
C-26	8.22	10985306	10438633	-5
C-28	8.95	10801772	10438633	-3
C-30	9.64	10797789	10438633	-3
C-32	10.27	10468389	10438633	0
C-34	10.87	10485892	10438633	0
C-36	11.42	10264966	10438633	2

Samples
23L3390-01RE1
23L3359-03RE1
23L3357-04RE1
23L3359-06RE1
23L3359-05RE1

*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: 23L3357

Laboratory Sample ID(s):

23L3357-01 thru 23L3357-04

Sample Date(s):

12/21/2023

List RCP Methods Used:

CTDEP ETPH

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

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

Lisa A. Worthington

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

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

Printed Name: **Lisa A. Worthington** **Date:** **01/04/24**

Name of Laboratory: **Pace New England**

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

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January 4, 2024

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 23L3359

Enclosed are results of analyses for samples as received by the laboratory on December 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 Willson

REPORT DATE: 1/4/2024

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23L3359

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-4R	23L3359-01	Ground Water		CTDEP ETPH	
				SW-846 8260D	
				SW-846 8270E	
DUP-1	23L3359-02	Ground Water		SW-846 8270E	
MW-102	23L3359-03	Ground Water		CTDEP ETPH	
				SW-846 8260D	
CCA-3	23L3359-04	Ground Water		SW-846 8270E	
MW-101	23L3359-05	Ground Water		CTDEP ETPH	
MW-6	23L3359-06	Ground Water		CTDEP ETPH	
DUP-2	23L3359-07	Ground Water		CTDEP ETPH	
Trip Blank	23L3359-08	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.

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CTDEP ETPH

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23L3359-03RE1[MW-102], 23L3359-05RE1[MW-101], 23L3359-06RE1[MW-6]

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
B361962-BSD1

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
23L3359-03[MW-102], 23L3359-05[MW-101], 23L3359-06[MW-6]

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
B361962-BLK1

SW-846 8260D

Qualifications:

L-01

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2-Dichloroethane
B361817-BS1, S098521-CCV1

V-05

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

Analyte & Samples(s) Qualified:

Bromomethane
23L3359-01[MW-4R], 23L3359-03[MW-102], 23L3359-08[Trip Blank], B361817-BLK1, B361817-BS1, S098521-CCV1

Chloromethane
23L3359-01[MW-4R], 23L3359-03[MW-102], 23L3359-08[Trip Blank], B361817-BLK1, B361817-BS1, S098521-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:

1,2-Dichloroethane
B361817-BS1, S098521-CCV1

SW-846 8270E

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:

Dibenz(a,h)anthracene (SIM)
23L3359-01[MW-4R], 23L3359-02[DUP-1], 23L3359-04[CCA-3], S098680-CCV1

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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.

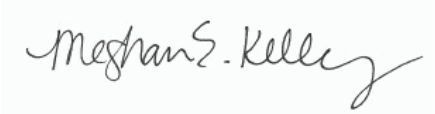
Analyte & Samples(s) Qualified:

Acenaphthene (SIM)
23L3359-01[MW-4R], 23L3359-02[DUP-1], 23L3359-04[CCA-3], B361826-BLK1, B361826-BS1, B361826-BSD1, S098596-CCV1, S098680-CCV1

Fluoranthene (SIM)
23L3359-01[MW-4R], 23L3359-02[DUP-1], 23L3359-04[CCA-3], B361826-BLK1, B361826-BS1, B361826-BSD1, S098596-CCV1, S098680-CCV1

Phenanthrene (SIM)
23L3359-01[MW-4R], 23L3359-02[DUP-1], 23L3359-04[CCA-3], B361826-BLK1, B361826-BS1, B361826-BSD1, S098596-CCV1, S098680-CCV1

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: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-4R | Sampled: 12/21/2023 16:15

Sample ID: 23L3359-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	12/27/23	12/28/23 17:13	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Chloromethane	ND	0.60	µg/L	1	V-05	SW-846 8260D	12/27/23	12/28/23 17:13	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-4R | Sampled: 12/21/2023 16:15

Sample ID: 23L3359-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		12/28/23 17:13
Toluene-d8	103	70-130		12/28/23 17:13
4-Bromofluorobenzene	97.5	70-130		12/28/23 17:13

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-4R | Sampled: 12/21/2023 16:15

Sample ID: 23L3359-01

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	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Acenaphthylene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Anthracene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Benzo(a)anthracene (SIM)	ND	0.047	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Benzo(a)pyrene (SIM)	ND	0.047	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Benzo(b)fluoranthene (SIM)	ND	0.047	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Benzo(g,h,i)perylene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Benzo(k)fluoranthene (SIM)	ND	0.047	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Chrysene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Dibenz(a,h)anthracene (SIM)	ND	0.047	µg/L	1	V-05	SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Fluoranthene (SIM)	ND	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Fluorene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.047	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
2-Methylnaphthalene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Naphthalene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Phenanthrene (SIM)	ND	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 18:17	AYH
Pyrene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:17	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5 (SIM)	91.7	30-130		1/2/24 18:17
2-Fluorobiphenyl (SIM)	90.5	30-130		1/2/24 18:17
p-Terphenyl-d14 (SIM)	63.8	30-130		1/2/24 18:17

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-4R | Sampled: 12/21/2023 16:15

Sample ID: 23L3359-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.38	0.19	mg/L	1		CTDEP ETPH	12/28/23	1/2/24 13:11	SNB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	51.4	50-150		1/2/24 13:11

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: DUP-1 | Sampled: 12/21/2023 00:00

Sample ID: 23L3359-02

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	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Acenaphthylene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Anthracene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Benzo(a)pyrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Benzo(g,h,i)perylene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Benzo(k)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Chrysene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Dibenz(a,h)anthracene (SIM)	ND	0.048	µg/L	1	V-05	SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Fluoranthene (SIM)	ND	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Fluorene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
2-Methylnaphthalene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Naphthalene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Phenanthrene (SIM)	ND	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 18:39	AYH
Pyrene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 18:39	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5 (SIM)	80.4	30-130		1/2/24 18:39
2-Fluorobiphenyl (SIM)	77.5	30-130		1/2/24 18:39
p-Terphenyl-d14 (SIM)	56.0	30-130		1/2/24 18:39

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-102 | Sampled: 12/21/2023 14:50

Sample ID: 23L3359-03

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	12/27/23	12/28/23 17:40	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	12/27/23	12/28/23 17:40	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Chloromethane	ND	0.60	µg/L	1	V-05	SW-846 8260D	12/27/23	12/28/23 17:40	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-102 | Sampled: 12/21/2023 14:50

Sample ID: 23L3359-03

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	12/27/23	12/28/23 17:40	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 17:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		12/28/23 17:40
Toluene-d8	102	70-130		12/28/23 17:40
4-Bromofluorobenzene	97.5	70-130		12/28/23 17:40

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-102 | Sampled: 12/21/2023 14:50

Sample ID: 23L3359-03

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	12/28/23	1/3/24 12:30	RDD
CT ETPH	0.22	0.20	mg/L	1		CTDEP ETPH	1/3/24	1/4/24 11:49	SNB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	**46.2** *	50-150	S-10	1/3/24 12:30
2-Fluorobiphenyl	59.5	50-150		1/4/24 11:49

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: CCA-3 | Sampled: 12/21/2023 15:42

Sample ID: 23L3359-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Acenaphthylene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Anthracene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Benzo(a)pyrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Benzo(g,h,i)perylene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Benzo(k)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Chrysene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Dibenz(a,h)anthracene (SIM)	ND	0.048	µg/L	1	V-05	SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Fluoranthene (SIM)	ND	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Fluorene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
2-Methylnaphthalene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Naphthalene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Phenanthrene (SIM)	ND	0.24	µg/L	1	V-34	SW-846 8270E	12/27/23	1/2/24 19:02	AYH
Pyrene (SIM)	ND	0.24	µg/L	1		SW-846 8270E	12/27/23	1/2/24 19:02	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5 (SIM)	84.2	30-130		1/2/24 19:02
2-Fluorobiphenyl (SIM)	74.2	30-130		1/2/24 19:02
p-Terphenyl-d14 (SIM)	68.9	30-130		1/2/24 19:02

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-101 | Sampled: 12/21/2023 14:05

Sample ID: 23L3359-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.30	0.20	mg/L	1		CTDEP ETPH	12/28/23	1/3/24 12:09	RDD
CT ETPH	0.36	0.20	mg/L	1		CTDEP ETPH	1/3/24	1/4/24 12:50	SNB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	**45.2** *	50-150	S-10	1/3/24 12:09
2-Fluorobiphenyl	60.1	50-150		1/4/24 12:50

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: MW-6 | Sampled: 12/21/2023 17:00

Sample ID: 23L3359-06

Sample Matrix: Ground Water

Sample Flags: H-06

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	1/3/24	1/4/24 12:30	SNB
CT ETPH	ND	0.19	mg/L	1		CTDEP ETPH	12/28/23	1/3/24 13:56	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	51.3	50-150		1/4/24 12:30
2-Fluorobiphenyl	**43.5** *	50-150	S-10	1/3/24 13:56

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: DUP-2 | Sampled: 12/21/2023 00:00

Sample ID: 23L3359-07

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	12/28/23	1/2/24 15:13	SNB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	53.2	50-150		1/2/24 15:13

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: Trip Blank | Sampled: 12/21/2023 00:00

Sample ID: 23L3359-08

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	12/27/23	12/28/23 12:26	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	12/27/23	12/28/23 12:26	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Chloromethane	ND	0.60	µg/L	1	V-05	SW-846 8260D	12/27/23	12/28/23 12:26	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 23L3359

Date Received: 12/22/2023

Field Sample #: Trip Blank | Sampled: 12/21/2023 00:00

Sample ID: 23L3359-08

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	12/27/23	12/28/23 12:26	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2,3-Trichloropropane	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/27/23	12/28/23 12:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	112	70-130		12/28/23 12:26
Toluene-d8	102	70-130		12/28/23 12:26
4-Bromofluorobenzene	96.4	70-130		12/28/23 12:26

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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
23L3359-01 [MW-4R]	B361962	1030	1.00	12/28/23
23L3359-03 [MW-102]	B361962	1020	1.00	12/28/23
23L3359-05 [MW-101]	B361962	1000	1.00	12/28/23
23L3359-06 [MW-6]	B361962	1030	1.00	12/28/23
23L3359-07 [DUP-2]	B361962	1010	1.00	12/28/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23L3359-03RE1 [MW-102]	B362431	1000	1.00	01/03/24
23L3359-05RE1 [MW-101]	B362431	1000	1.00	01/03/24
23L3359-06RE1 [MW-6]	B362431	1040	1.00	01/03/24

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23L3359-01 [MW-4R]	B361817	5	5.00	12/27/23
23L3359-03 [MW-102]	B361817	5	5.00	12/27/23
23L3359-08 [Trip Blank]	B361817	5	5.00	12/27/23

Prep Method:SW-846 3511 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23L3359-01 [MW-4R]	B361826	42.4	2.00	12/27/23
23L3359-02 [DUP-1]	B361826	41.8	2.00	12/27/23
23L3359-04 [CCA-3]	B361826	41.7	2.00	12/27/23

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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 B361817 - SW-846 5030B										
Blank (B361817-BLK1)				Prepared: 12/27/23 Analyzed: 12/28/23						
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							V-05
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-05
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
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 B361817 - SW-846 5030B											
Blank (B361817-BLK1)				Prepared: 12/27/23 Analyzed: 12/28/23							
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								
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	*28.4*		µg/L	25.0		113		70-130			
Surrogate: Toluene-d8	*26.1*		µg/L	25.0		104		70-130			
Surrogate: 4-Bromofluorobenzene	*24.2*		µg/L	25.0		96.6		70-130			
LCS (B361817-BS1)				Prepared: 12/27/23 Analyzed: 12/28/23							
Acetone	103	10	µg/L	100		103		40-160			
Acrylonitrile	9.55	2.0	µg/L	10.0		95.5		70-130			
Benzene	9.10	0.50	µg/L	10.0		91.0		70-130			
Bromobenzene	9.87	0.50	µg/L	10.0		98.7		70-130			
Bromodichloromethane	12.3	0.50	µg/L	10.0		123		70-130			
Bromoform	10.6	0.50	µg/L	10.0		106		70-130			
Bromomethane	8.89	2.0	µg/L	10.0		88.9		40-160			V-05
2-Butanone (MEK)	102	5.0	µg/L	100		102		40-160			
n-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130			
sec-Butylbenzene	9.77	1.0	µg/L	10.0		97.7		70-130			
tert-Butylbenzene	9.95	1.0	µg/L	10.0		99.5		70-130			
Carbon Disulfide	88.9	5.0	µg/L	100		88.9		70-130			
Carbon Tetrachloride	10.4	0.50	µg/L	10.0		104		70-130			
Chlorobenzene	9.68	0.50	µg/L	10.0		96.8		70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112		40-160			
Chloroethane	9.11	0.50	µg/L	10.0		91.1		70-130			
Chloroform	10.9	0.50	µg/L	10.0		109		70-130			
Chloromethane	9.11	0.60	µg/L	10.0		91.1		40-160			V-05
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130			
4-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.3	1.0	µg/L	10.0		113		70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112		70-130			
Dibromomethane	11.6	0.50	µg/L	10.0		116		70-130			
1,2-Dichlorobenzene	9.53	0.50	µg/L	10.0		95.3		70-130			
1,3-Dichlorobenzene	9.91	0.50	µg/L	10.0		99.1		70-130			
1,4-Dichlorobenzene	9.43	0.50	µg/L	10.0		94.3		70-130			
trans-1,4-Dichloro-2-butene	9.70	2.0	µg/L	10.0		97.0		70-130			
Dichlorodifluoromethane (Freon 12)	11.8	0.50	µg/L	10.0		118		40-160			
1,1-Dichloroethane	10.1	0.50	µg/L	10.0		101		70-130			
1,2-Dichloroethane	13.1	0.50	µg/L	10.0		**131**	*	70-130			L-01, V-20
1,1-Dichloroethylene	10.6	0.50	µg/L	10.0		106		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 B361817 - SW-846 5030B										
LCS (B361817-BS1)				Prepared: 12/27/23 Analyzed: 12/28/23						
cis-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,2-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130			
1,2-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130			
1,3-Dichloropropane	11.3	0.50	µg/L	10.0		113	70-130			
2,2-Dichloropropane	11.3	0.50	µg/L	10.0		113	70-130			
1,1-Dichloropropene	9.89	0.50	µg/L	10.0		98.9	70-130			
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130			
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114	70-130			
Ethylbenzene	10.3	0.50	µg/L	10.0		103	70-130			
Hexachlorobutadiene	12.6	0.60	µg/L	10.0		126	40-160			
2-Hexanone (MBK)	124	5.0	µg/L	100		124	70-130			
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100	70-130			
p-Isopropyltoluene (p-Cymene)	10.0	0.50	µg/L	10.0		100	70-130			
Methyl tert-Butyl Ether (MTBE)	10.1	0.50	µg/L	10.0		101	70-130			
Methylene Chloride	9.16	5.0	µg/L	10.0		91.6	70-130			
4-Methyl-2-pentanone (MIBK)	123	5.0	µg/L	100		123	40-160			
Naphthalene	8.43	2.0	µg/L	10.0		84.3	70-130			
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Styrene	9.74	1.0	µg/L	10.0		97.4	70-130			
1,1,1,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.0	0.50	µg/L	10.0		100	70-130			
Tetrachloroethylene	12.6	1.0	µg/L	10.0		126	70-130			
Tetrahydrofuran	9.23	10	µg/L	10.0		92.3	70-130			
Toluene	11.0	1.0	µg/L	10.0		110	70-130			
1,2,3-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,2,4-Trichlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	11.8	0.50	µg/L	10.0		118	70-130			
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112	70-130			
Trichloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
Trichlorofluoromethane (Freon 11)	12.6	2.0	µg/L	10.0		126	40-160			
1,2,3-Trichloropropane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	0.50	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	9.71	0.50	µg/L	10.0		97.1	70-130			
1,3,5-Trimethylbenzene	10.3	0.50	µg/L	10.0		103	70-130			
Vinyl Chloride	9.66	1.0	µg/L	10.0		96.6	70-130			
m+p Xylene	20.9	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.8*		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	*25.7*		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.6	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 B361826 - SW-846 3511										
Blank (B361826-BLK1)				Prepared: 12/27/23 Analyzed: 01/01/24						
Acenaphthene (SIM)	ND	0.25	µg/L							V-34
Acenaphthylene (SIM)	ND	0.25	µg/L							
Anthracene (SIM)	ND	0.25	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.050	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.25	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.050	µg/L							
Chrysene (SIM)	ND	0.25	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.050	µg/L							
Fluoranthene (SIM)	ND	0.25	µg/L							V-34
Fluorene (SIM)	ND	0.25	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.050	µg/L							
2-Methylnaphthalene (SIM)	ND	0.25	µg/L							
Naphthalene (SIM)	ND	0.25	µg/L							
Phenanthrene (SIM)	ND	0.25	µg/L							V-34
Pyrene (SIM)	ND	0.25	µg/L							
Surrogate: Nitrobenzene-d5 (SIM)	*4.30*		µg/L	5.00		86.0	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*2.98*		µg/L	5.00		59.6	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*3.90*		µg/L	5.00		77.9	30-130			
LCS (B361826-BS1)				Prepared: 12/27/23 Analyzed: 12/31/23						
Acenaphthene (SIM)	1.70	0.25	µg/L	2.50		68.1	40-140			V-34
Acenaphthylene (SIM)	1.86	0.25	µg/L	2.50		74.4	40-140			
Anthracene (SIM)	1.92	0.25	µg/L	2.50		76.9	40-140			
Benzo(a)anthracene (SIM)	2.12	0.050	µg/L	2.50		84.9	40-140			
Benzo(a)pyrene (SIM)	2.17	0.050	µg/L	2.50		86.8	40-140			
Benzo(b)fluoranthene (SIM)	2.18	0.050	µg/L	2.50		87.4	40-140			
Benzo(g,h,i)perylene (SIM)	2.14	0.25	µg/L	2.50		85.5	40-140			
Benzo(k)fluoranthene (SIM)	2.29	0.050	µg/L	2.50		91.8	40-140			
Chrysene (SIM)	2.12	0.25	µg/L	2.50		84.6	40-140			
Dibenz(a,h)anthracene (SIM)	2.14	0.050	µg/L	2.50		85.4	40-140			
Fluoranthene (SIM)	1.97	0.25	µg/L	2.50		78.8	40-140			V-34
Fluorene (SIM)	1.83	0.25	µg/L	2.50		73.3	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	2.25	0.050	µg/L	2.50		90.1	40-140			
2-Methylnaphthalene (SIM)	1.53	0.25	µg/L	2.50		61.3	40-140			
Naphthalene (SIM)	1.57	0.25	µg/L	2.50		62.8	40-140			
Phenanthrene (SIM)	1.85	0.25	µg/L	2.50		74.1	40-140			V-34
Pyrene (SIM)	1.94	0.25	µg/L	2.50		77.6	40-140			
Surrogate: Nitrobenzene-d5 (SIM)	*4.23*		µg/L	5.00		84.6	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*2.96*		µg/L	5.00		59.3	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*3.78*		µg/L	5.00		75.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B361826 - SW-846 3511										
LCS Dup (B361826-BSD1)				Prepared: 12/27/23 Analyzed: 01/01/24						
Acenaphthene (SIM)	1.85	0.25	µg/L	2.50		74.0	40-140	8.30	20	V-34
Acenaphthylene (SIM)	2.00	0.25	µg/L	2.50		79.9	40-140	7.18	20	
Anthracene (SIM)	2.09	0.25	µg/L	2.50		83.8	40-140	8.59	20	
Benzo(a)anthracene (SIM)	2.20	0.050	µg/L	2.50		88.2	40-140	3.74	20	
Benzo(a)pyrene (SIM)	2.29	0.050	µg/L	2.50		91.4	40-140	5.25	20	
Benzo(b)fluoranthene (SIM)	2.38	0.050	µg/L	2.50		95.4	40-140	8.76	20	
Benzo(g,h,i)perylene (SIM)	2.23	0.25	µg/L	2.50		89.2	40-140	4.26	20	
Benzo(k)fluoranthene (SIM)	2.42	0.050	µg/L	2.50		96.9	40-140	5.41	20	
Chrysene (SIM)	2.22	0.25	µg/L	2.50		88.6	40-140	4.64	20	
Dibenz(a,h)anthracene (SIM)	2.24	0.050	µg/L	2.50		89.5	40-140	4.62	20	
Fluoranthene (SIM)	2.10	0.25	µg/L	2.50		83.9	40-140	6.27	20	V-34
Fluorene (SIM)	1.96	0.25	µg/L	2.50		78.4	40-140	6.73	20	
Indeno(1,2,3-cd)pyrene (SIM)	2.37	0.050	µg/L	2.50		94.8	40-140	5.08	20	
2-Methylnaphthalene (SIM)	1.81	0.25	µg/L	2.50		72.3	40-140	16.6	20	
Naphthalene (SIM)	1.82	0.25	µg/L	2.50		72.8	40-140	14.7	20	
Phenanthrene (SIM)	2.01	0.25	µg/L	2.50		80.6	40-140	8.35	20	V-34
Pyrene (SIM)	2.06	0.25	µg/L	2.50		82.3	40-140	5.78	20	
Surrogate: Nitrobenzene-d5 (SIM)	*4.36*		µg/L	5.00		87.2	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*3.22*		µg/L	5.00		64.4	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*3.87*		µg/L	5.00		77.4	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 B361962 - SW-846 3510C											
Blank (B361962-BLK1)				Prepared: 12/28/23 Analyzed: 01/02/24							
CT ETPH	ND	0.20	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0489*		mg/L	0.100		**48.9**	*	50-150			S-26
LCS (B361962-BS1)				Prepared: 12/28/23 Analyzed: 01/02/24							
CT ETPH	0.609	0.20	mg/L	1.00		60.9		60-120			
Surrogate: 2-Fluorobiphenyl	*0.0628*		mg/L	0.100		62.8		50-150			
LCS Dup (B361962-BSD1)				Prepared: 12/28/23 Analyzed: 01/02/24							
CT ETPH	0.577	0.20	mg/L	1.00		**57.7**	*	60-120	5.43	30	L-07
Surrogate: 2-Fluorobiphenyl	*0.0575*		mg/L	0.100		57.5		50-150			
Batch B362431 - SW-846 3510C											
Blank (B362431-BLK1)				Prepared: 01/03/24 Analyzed: 01/04/24							
CT ETPH	ND	0.20	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0669*		mg/L	0.100		66.9		50-150			
LCS (B362431-BS1)				Prepared: 01/03/24 Analyzed: 01/04/24							
CT ETPH	0.654	0.20	mg/L	1.00		65.4		60-120			
Surrogate: 2-Fluorobiphenyl	*0.0696*		mg/L	0.100		69.6		50-150			
LCS Dup (B362431-BSD1)				Prepared: 01/03/24 Analyzed: 01/04/24							
CT ETPH	0.608	0.20	mg/L	1.00		60.8		60-120	7.32	30	
Surrogate: 2-Fluorobiphenyl	*0.0618*		mg/L	0.100		61.8		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.
H-06	Sample was extracted past the recommended holding time.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
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.
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.
S-26	Surrogate outside of control limits.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
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
SW-846 8270E in Water	
Acenaphthene (SIM)	NH,NY,VA
Acenaphthylene (SIM)	NH,NY,VA
Anthracene (SIM)	NH,NY,VA
Benzo(a)anthracene (SIM)	NH,NY,VA
Benzo(a)pyrene (SIM)	NH,NY,VA
Benzo(b)fluoranthene (SIM)	NH,NY,VA
Benzo(g,h,i)perylene (SIM)	NH,NY,VA
Benzo(k)fluoranthene (SIM)	NH,NY,VA
Chrysene (SIM)	NH,NY,VA
Dibenz(a,h)anthracene (SIM)	NH,NY,VA
Fluoranthene (SIM)	NH,NY,VA
Fluorene (SIM)	NH,NY,VA
Indeno(1,2,3-cd)pyrene (SIM)	NH,NY,VA
Naphthalene (SIM)	NH,NY,VA
Phenanthrene (SIM)	NH,NY,VA
Pyrene (SIM)	NH,NY,VA



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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
VA	Commonwealth of Virginia	460217	12/14/2024

2363359 RF

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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 1

Company Name:	Weston & Sampson
Address:	712 Brook Street Rocky Hill, CT
Phone:	860-513-1473
Project Name:	Eversource Simsbury AUC
Project Location:	Simsbury, CT
Project Number:	
Project Manager:	Laura Willson
Pace Quote Name/Number:	11003487
Invoice Recipient:	Drew Bicharz - Eversource
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@wsein.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	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	CT ETPH	VOCs	PAHs
1	MW-4R	12/21/23	1615	GRAB	GW	U						✓	✓	✓
2	Dup-1		—											✓
3	MW-102		1450									✓	✓	
4	CCA-3		1542											✓
5	MW-101		1405									✓		
6	MW-6		1700									✓		
7	Dup-2		—									✓		
8	Trip blank		—		W								✓	

	Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
1		12/21/23 1830	CWS Fridge	12/21/23 1830
2				
3				
4				
5				

Client Comments: Please Bill drew.bicharz@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 ☑ MP 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.

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)

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Weston & Sampson
Project Eversource Simsbury AWC
MCP/RCP Required CT 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 MEM 12/22/23 1545
Back-Sheet By / Date / Time STM 12/22/23 1849
Temperature Method Gun # 4
Temp X < 6° C Actual Temperature 2.3 3.1
Rush Samples: Yes / No Notify
Short Hold: Yes / No Notify

Notes regarding Samples/COC outside of SOP:

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

	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 ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Table of Contents

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

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	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact					
1					1																											
2																							2	2								
3					2																		2									
4																								2								
5					2																		2									
6					2																											
7					2																											
8																																
9																								2								
10																																
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16																																
17																																
18																																
19																																
20																																

C:\MSDCHEM\4\DATA\D010224.SEC\D24F002011.D

CT ETPH Discrimination Check

Data File Name D24F002011.D
Data File Path C:\MSDCHEM\4\DATA\D010224.SEC\
Operator PJG
Date Acquired 1/2/1924 11:49
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.68	8176589	9968320	18
C-10	2.34	8744568	9968320	12
C-12	3.29	9107905	9968320	9
C-14	4.00	9507819	9968320	5
C-16	4.62	10183249	9968320	-2
C-18	5.17	10466283	9968320	-5
C-20	5.80	10714394	9968320	-7
C-22	6.56	10529734	9968320	-6
C-24	7.41	10526886	9968320	-6
C-26	8.22	10509174	9968320	-5
C-28	8.95	10440584	9968320	-5
C-30	9.64	10463564	9968320	-5
C-32	10.27	10160165	9968320	-2
C-34	10.87	10150376	9968320	-2
C-36	11.42	9843516	9968320	1

*One compound allowed %D</=50

Samples
23L3359-01
23L3379-01
23L3359-07
23L3379-06

C:\MSDChem\4\DATA\D010424.SEC\D24F004007.D

CT ETPH Discrimination Check

Data File Name D24F004007.D
Data File Path C:\MSDChem\4\DATA\D010424.SEC\
Operator PJG
Date Acquired 1/4/1924 9:08
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.69	8621193	10438633	17
C-10	2.34	9230359	10438633	12
C-12	3.29	9641159	10438633	8
C-14	4.00	10092884	10438633	3
C-16	4.62	10812925	10438633	-4
C-18	5.17	11064110	10438633	-6
C-20	5.80	11286441	10438633	-8
C-22	6.56	10997263	10438633	-5
C-24	7.41	11029054	10438633	-6
C-26	8.22	10985306	10438633	-5
C-28	8.95	10801772	10438633	-3
C-30	9.64	10797789	10438633	-3
C-32	10.27	10468389	10438633	0
C-34	10.87	10485892	10438633	0
C-36	11.42	10264966	10438633	2

Samples
23L3390-01RE1
23L3359-03RE1
23L3357-04RE1
23L3359-06RE1
23L3359-05RE1

*One compound allowed %D</=50

C:\MSDCHEM\2\DATA\B010324.SEC\B24F003007.D

CT ETPH Discrimination Check

Data File Name B24F003007.D
Data File Path C:\MSDCHEM\2\DATA\B010324.SEC\
Operator PJG
Date Acquired 1/3/1924 11:04
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.40	7642856	8937020	14
n-Decane	2.15	8061730	8937020	10
n-Dodecane	3.14	8256360	8937020	8
n-Tetradecane	3.87	8568184	8937020	4
n-Hexadecane	4.48	9097480	8937020	-2
n-Octadecane	5.02	9272026	8937020	-4
n-Eicosane	5.60	9359543	8937020	-5
n-Docosane	6.31	9098816	8937020	-2
n-Tetracosane	7.13	9169386	8937020	-3
n-Hexacosane	7.94	9231571	8937020	-3
n-Octacosane	8.68	9258175	8937020	-4
n-Triacontane	9.37	9378521	8937020	-5
n-Dotriacontane	10.00	9225624	8937020	-3
n-Tetratriacontane	10.59	9320922	8937020	-4
n-Hexatriacontane	11.15	9114099	8937020	-2

Samples

23L3359-05
23L3359-03
23L3357-04
23L3357-03
23L3357-02
23L3359-06

*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: 23L3359

Laboratory Sample ID(s):
23L3359-01 thru 23L3359-08

Sample Date(s):
12/21/2023

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:** **01/04/24**

Name of Laboratory: **Pace New England**

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

con-test®
A Pace Analytical® Laboratory

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

January 22, 2024

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 24A1595

Enclosed are results of analyses for samples as received by the laboratory on January 17, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

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24A1595-01 5

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

REPORT DATE: 1/22/2024

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24A1595

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-403	24A1595-01	Ground Water		CTDEP ETPH	

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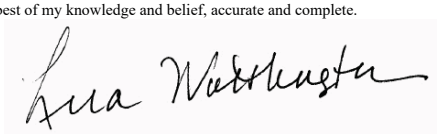
CASE NARRATIVE SUMMARY

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

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



Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simsbury, CT
Sample Description:
Work Order: 24A1595

Date Received: 1/17/2024

Field Sample #: MW-403
Sampled: 1/17/2024 11:00

Sample ID: 24A1595-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.19	mg/L	1		CTDEP ETPH	1/18/24	1/19/24 14:42	SNB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	77.8	50-150		1/19/24 14:42

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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
24A1595-01 [MW-403]	B363644	1050	1.00	01/18/24

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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 B363644 - SW-846 3510C										
Blank (B363644-BLK1)				Prepared: 01/18/24 Analyzed: 01/19/24						
CT ETPH	ND	0.20	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0790*		mg/L	0.100		79.0	50-150			
LCS (B363644-BS1)				Prepared: 01/18/24 Analyzed: 01/19/24						
CT ETPH	0.685	0.20	mg/L	1.00		68.5	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0786*		mg/L	0.100		78.6	50-150			
LCS Dup (B363644-BSD1)				Prepared: 01/18/24 Analyzed: 01/19/24						
CT ETPH	0.672	0.20	mg/L	1.00		67.2	60-120	1.87	30	
Surrogate: 2-Fluorobiphenyl	*0.0786*		mg/L	0.100		78.6	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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Water	
CT ETPH	CT

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

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24A1595RF

Pace Analytical®

Phone: 413-525-2332
Fax: 413-525-6405

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Access COC's and Support Requests

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
Pace Quote Name/Number:	
Invoice Recipient:	Eversource - Drew - Blicharz
Sampled By:	Will Siropwak

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	CT ETPH
	MW-403	1/17/24	1100	Grab	GW	U		2				X

[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)

Relinquished by: (signature)	Date/Time:
[signature]	1/17/24 1305
Received by: (signature)	Date/Time:
[signature]	1-17-24 1305
Relinquished by: (signature)	Date/Time:
[signature]	1-17-24 1510
Received by: (signature)	Date/Time:
[signature] 1/17/24	151025
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Bill 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

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.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Weston + Sampson
Project Eversource - Simsbury
MCP/RCP Required N/A
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 STM 11/7/24 1510
Back-Sheet By / Date / Time STM 11/7/24 1536
Temperature Method Gun # 5
Temp X < 6° C Actual Temperature 2.5
Rush Samples: Yes / (No) Notify
Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	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) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

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	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact					
1					2																											
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Page 2 of 2

QualTrax ID: 120836

C:\MSDCHEM\2\DATA\B011924.SEC\B24F019021.D

CT ETPH Discrimination Check

Data File Name B24F019021.D
Data File Path C:\MSDCHEM\2\DATA\B011924.SEC\
Operator PJG
Date Acquired 1/19/1924 12:09
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.66	7054839	8277955	15
n-Decane	2.30	7421090	8277955	10
n-Dodecane	3.23	7578037	8277955	8
n-Tetradecane	3.94	7764342	8277955	6
n-Hexadecane	4.55	8222518	8277955	1
n-Octadecane	5.10	8409066	8277955	-2
n-Eicosane	5.70	8618755	8277955	-4
n-Docosane	6.44	8491330	8277955	-3
n-Tetracosane	7.28	8631413	8277955	-4
n-Hexacosane	8.09	8714294	8277955	-5
n-Octacosane	8.83	8759898	8277955	-6
n-Triacontane	9.52	8894614	8277955	-7
n-Dotriacontane	10.15	8664867	8277955	-5
n-Tetratriacontane	10.74	8626939	8277955	-4
n-Hexatriacontane	11.32	8317328	8277955	0

Samples
24A1595-01

*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: 24A1595

Laboratory Sample ID(s):

24A1595-01

Sample Date(s):

01/17/2024

List RCP Methods Used:

CTDEP ETPH

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

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

Lisa A. Worthington

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

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

Printed Name: **Lisa A. Worthington** **Date:** **01/22/24**

Name of Laboratory: **Pace New England**

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