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

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

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

- Documents submitted through the SFT website must include all applicable figures, tables and laboratory data.
- Files must be formatted as PDF/A and use the appropriate naming convention:
  - For Remediation Filings: **REM_REMID #_SiteAddress_Town_DocumentType_DateofDocument**
  - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  - For PCB Filings: **PCB_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
  Note: For "AbbreviationForDocumentType" use appropriate abbreviation at Transmittal of Documents
- If no Rem ID assigned (new filing) or REM ID is unknown leave field blank

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

For Remediation documents:	For PCB/LUST documents:
Primary Program*: Property Transfer	UST Facility ID: (if applicable)
Rem ID*: 4943	Spill Case Number: (if known)

Part II: Site Information

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

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

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

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

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

Remediation*: Monitoring Report
LUST/PCB*: LUST/PCB Document Type
Date of Document*: 2/16/2023 Version: Final

Part IV: Submitter Information

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

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street, BMN2
Berlin, CT 06037

February 16, 2023

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

Reference: 1) Letter, D. Blicharz to C. Quinn, dated April 29, 2022.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Ms. Quinn:

Groundwater Report – 4th Quarter 2022
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, a sample was collected from monitoring well MW-6 and analyzed for extractable total petroleum hydrocarbons (ETPH). ETPH was detected at a concentration of 260 micrograms per liter (mg/L). Collection of groundwater samples were attempted at four other wells (MW-CCA-3, MW-4R, MW-101, and MW-102) and unsuccessfully obtained because they either were found dry, or they dried up during purging and did not recharge sufficient groundwater for sampling by the end of the day.

In addition, post-remediation groundwater monitoring continued for Area of Potential Environmental Concern #4. Groundwater samples were collected from monitoring wells MW-400, MW-401, MW-402, and MW-403, and analyzed for ETPH. ETPH concentrations ranged from not detected (<140 mg/L) to 170 mg/L. A duplicate groundwater sample (DUP-1A) was collected from MW-403 and submitted for QA/QC purposes. PCBs were not detected in samples collected from these monitoring wells during four consecutive quarters (Q4 2021 – Q3 2022) and post-remediation groundwater compliance for PCBs has been met.

As indicated in the enclosed laboratory analytical data reports, an ETPH concentration was detected above the Groundwater Protection Criteria (GWPC) and Surface Water Protection Criteria (SWPC) of 250 mg/L in the sample collected from monitoring well MW-6.

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street, BMN2
Berlin, CT 06037

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

Sincerely,
Eversource Energy Service Company

Drew Blicharz

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

Enclosure: Laboratory Analytical Testing Results
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

December 27, 2022

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22L2753

Enclosed are results of analyses for samples as received by the laboratory on December 20, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

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

REPORT DATE: 12/27/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22L2753

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	22L2753-01	Ground Water		CTDEP ETPH	
MW-401	22L2753-02	Ground Water		CTDEP ETPH	
MW-402	22L2753-03	Ground Water		CTDEP ETPH	
MW-403	22L2753-04	Ground Water		CTDEP ETPH	
DUP-1A	22L2753-05	Ground Water		CTDEP ETPH	

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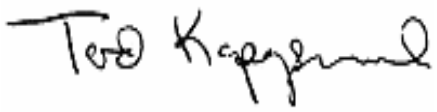
CASE NARRATIVE SUMMARY

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.



Tod E. Kopyscinski
Laboratory Director

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22L2753

Date Received: 12/20/2022

Field Sample #: MW-400
Sampled: 12/20/2022 00:00

Sample ID: 22L2753-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.17	0.14	mg/L	1		CTDEP ETPH	12/22/22	12/23/22 22:15	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	70.4	50-150		12/23/22 22:15

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22L2753

Date Received: 12/20/2022

Field Sample #: MW-401 | Sampled: 12/20/2022 11:10

Sample ID: 22L2753-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.15	mg/L	1		CTDEP ETPH	12/22/22	12/23/22 21:54	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	73.5	50-150		12/23/22 21:54

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22L2753

Date Received: 12/20/2022

Field Sample #: MW-402 | Sampled: 12/20/2022 10:15

Sample ID: 22L2753-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.15	mg/L	1		CTDEP ETPH	12/22/22	12/23/22 20:52	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	69.2	50-150		12/23/22 20:52

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22L2753

Date Received: 12/20/2022

Field Sample #: MW-403
Sampled: 12/20/2022 09:30

Sample ID: 22L2753-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	12/22/22	12/23/22 21:13	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	69.6	50-150		12/23/22 21:13

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22L2753

Date Received: 12/20/2022

Field Sample #: DUP-1A | Sampled: 12/20/2022 00:00

Sample ID: 22L2753-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.15	0.15	mg/L	1		CTDEP ETPH	12/22/22	12/23/22 21:34	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	66.6	50-150		12/23/22 21:34

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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
22L2753-01 [MW-400]	B326556	980	0.900	12/22/22
22L2753-02 [MW-401]	B326556	1010	1.00	12/22/22
22L2753-03 [MW-402]	B326556	1020	1.00	12/22/22
22L2753-04 [MW-403]	B326556	960	0.900	12/22/22
22L2753-05 [DUP-1A]	B326556	1020	1.00	12/22/22

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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 B326556 - SW-846 3510C										
Blank (B326556-BLK1)				Prepared: 12/22/22 Analyzed: 12/23/22						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0697*		mg/L	0.100		69.7	50-150			
LCS (B326556-BS1)				Prepared: 12/22/22 Analyzed: 12/23/22						
CT ETPH	0.649	0.15	mg/L	1.00		64.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0759*		mg/L	0.100		75.9	50-150			
LCS Dup (B326556-BSD1)				Prepared: 12/22/22 Analyzed: 12/23/22						
CT ETPH	0.675	0.15	mg/L	1.00		67.5	60-120	3.94	30	
Surrogate: 2-Fluorobiphenyl	*0.0762*		mg/L	0.100		76.2	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 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-0165	12/31/2022

Z 212753

Pace Analytical®
Phone: 612-607-6400
Fax: 612-607-6344
https://www.pacelabs.com/
1800 Elm Street SE
Minneapolis, MN 55414
Doc # 381 Rev 4_01/08/2020

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Weston & Sampson
Address:	712 Brook St, Suite 103
Phone:	(860) 513-1473
Project Name:	Simsbury AWC - Eversource
Project Location:	Simsbury, CT
Project Number:	Client PO: 11003487
Project Manager:	Laura Yellen
Pace Analytical Quote Name/Number:	
Invoice Recipient:	Drew Blicharz
Sampled By:	Richard Manandhar

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: yelleni@wseinc.com
Fax To #: manandhar.richard@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 Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	ETPH	PCBs	PAHs	VOCs	EPH	VPH
	MW-400	12/10/22		Grab	GW	U		2				X					
	MW-401	12/10/22	1116	Grab	GW	U		2				X					
	MW-402	12/10/22	1015	Grab	GW	U		2				X					
	MW-403	12/10/22	930	Grab	GW	U		2				X					
	Dup-1A	12/10/22	—	Grab	GW	U		2				X					

Relinquished by: (signature) Date/Time: 12/16/22 1755
Received by: (signature) Date/Time: 12/20/22 1355
Relinquished by: (signature) Date/Time: 12/20/22 1350
Received by: (signature) 3.3 Date/Time: 12/20/22 13:50
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments:

Lab Comments:

Detection Limit Requirements
MA
CT: CT DEEP RSRs; GA PMC
Other:

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

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

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

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

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

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.

Table of Contents

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

Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

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

Client Weston & Sampson

Received By CH Date 12-20-22 Time 13:50

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

Direct From Sample ____ Ambient ____ Melted Ice ____

Were samples within Tempurature? Within 2-6°C T By Gun # 5 Actual Temp - 3.3

By Blank # ____ Actual Temp - ____

Was Custody Seal In tact? NA Were Samples Tampered with? NA

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

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

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

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

Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

Proper Media/Containers Used? T splitting samples require F

Were trip blanks receive F On COC? NA

Do All Samples Have the proper pH? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

C:\MSDCHEM\4\DATA\D122322.SEC\D22F357007.D

CT ETPH Discrimination Check

Data File Name D22F357007.D
Data File Path C:\MSDCHEM\4\DATA\D122322.SEC\
Operator SFM
Date Acquired 12/23/1922 19:09
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.47	9280638	10665171	13
C-10	2.17	9798998	10665171	8
C-12	3.14	10029671	10665171	6
C-14	3.86	10352143	10665171	3
C-16	4.47	10557508	10665171	1
C-18	5.01	11121887	10665171	-4
C-20	5.59	10893045	10665171	-2
C-22	6.31	10887201	10665171	-2
C-24	7.13	10983143	10665171	-3
C-26	7.94	11052902	10665171	-4
C-28	8.68	11011395	10665171	-3
C-30	9.36	11033041	10665171	-3
C-32	10.00	11040763	10665171	-4
C-34	10.59	11191177	10665171	-5
C-36	11.15	10744050	10665171	-1

Samples

22L2753-03
22L2753-04
22L2753-05
22L2753-02
22L2753-01
22L2435-02
22L2435-03

*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: 22L2753

Laboratory Sample ID(s):

22L2753-01 thru 22L2753-05

Sample Date(s):

12/20/2022

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.

Tod E. Kopyscinski

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: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **12/27/22**

Name of Laboratory: **Pace New England**

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

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December 27, 2022

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22L2755

Enclosed are results of analyses for samples as received by the laboratory on December 20, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

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

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

REPORT DATE: 12/27/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22L2755

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-6	22L2755-01	Ground Water		CTDEP ETPH	

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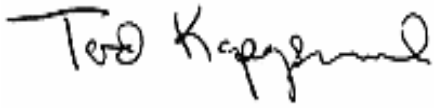
CASE NARRATIVE SUMMARY

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.



Tod E. Kopyscinski
Laboratory Director

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22L2755

Date Received: 12/20/2022

Field Sample #: MW-6
Sampled: 12/20/2022 12:30

Sample ID: 22L2755-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.26	0.14	mg/L	1		CTDEP ETPH	12/22/22	12/23/22 21:54	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	79.0	50-150		12/23/22 21:54

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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
22L2755-01 [MW-6]	B326556	950	0.900	12/22/22

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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 B326556 - SW-846 3510C										
Blank (B326556-BLK1)				Prepared: 12/22/22 Analyzed: 12/23/22						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0697*		mg/L	0.100		69.7	50-150			
LCS (B326556-BS1)				Prepared: 12/22/22 Analyzed: 12/23/22						
CT ETPH	0.649	0.15	mg/L	1.00		64.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0759*		mg/L	0.100		75.9	50-150			
LCS Dup (B326556-BSD1)				Prepared: 12/22/22 Analyzed: 12/23/22						
CT ETPH	0.675	0.15	mg/L	1.00		67.5	60-120	3.94	30	
Surrogate: 2-Fluorobiphenyl	*0.0762*		mg/L	0.100		76.2	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 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-0165	12/31/2022

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

22L0275S

https://www.pacelabs.com/

CHAIN OF CUSTODY RECORD

1800 Elm Street SE
Minneapolis, MN 55414

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Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Weston & Sampson
Address:	712 Brook St, Suite 103
Phone:	(860) 513-1473
Project Name:	Simsbury AWC - Eversource
Project Location:	Simsbury, CT
Project Number:	Client PO: 11003487
Project Manager:	Laura Yellen
Pace Analytical Quote Name/Number:	
Invoice Recipient:	Drew Blicharz
Sampled By:	Richard Manandhar

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: yellenl@wseinc.com
Fax To #: manandhar.richard@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 Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	ETPH	PCBs	PAHs	VOCs	EPH	VPH
	MW-6	12/2022	1730	Grab	GW	U		2				X					

Relinquished by: (signature) — Date/Time: 12/20/22 1755
Received by: (signature) — Date/Time: 12/20/22 1255
Relinquished by: (signature) — Date/Time: 12/20/22 1350
Received by: (signature) — Date/Time: 12/21/22 13.5°
Relinquished by: (signature) — Date/Time:
Received by: (signature) — Date/Time:
Relinquished by: (signature) — Date/Time:
Received by: (signature) — Date/Time:

Client Comments:

Lab Comments:

Detection Limit Requirements
MA
CT — CT DEEP RSRs
GA PMC
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 Accreditation
Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

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

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)

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

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

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

Client Weston & Sampson

Received By LH Date 12-20-22 Time 13:50

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

Direct From Sample ____ Ambient ____ Melted Ice ____

Were samples within Tempurature? Within 2-6°C T By Gun # 5 Actual Temp - 3.3

By Blank # ____ Actual Temp - ____

Was Custody Seal In tact? NA Were Samples Tampered with? NA

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

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

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

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

Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

Proper Media/Containers Used? T splitting samples require F

Were trip blanks receive F On COC? NA

Do All Samples Have the proper pH? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	2	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

C:\MSDCHEM\4\DATA\D122322\D22F357006.D

CT ETPH Discrimination Check

Data File Name D22F357006.D
Data File Path C:\MSDCHEM\4\DATA\D122322\
Operator SFM
Date Acquired 12/23/1922 18:49
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	0.94	10425067	11655790	11
C-10	1.71	10912250	11655790	6
C-12	2.84	11143075	11655790	4
C-14	3.58	11371459	11655790	2
C-16	4.20	11554586	11655790	1
C-18	4.74	12096482	11655790	-4
C-20	5.25	11744983	11655790	-1
C-22	5.88	11713143	11655790	0
C-24	6.64	11849898	11655790	-2
C-26	7.45	11957593	11655790	-3
C-28	8.20	11965142	11655790	-3
C-30	8.89	11993459	11655790	-3
C-32	9.53	12039070	11655790	-3
C-34	10.12	12213517	11655790	-5
C-36	10.68	11857123	11655790	-2

Samples

22L2968-04
22L2968-05
22L2869-02
22L2968-01
22L2968-02
22L2968-03
22L2755-01
22L2435-01

*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: 22L2755

Laboratory Sample ID(s):

22L2755-01

Sample Date(s):

12/20/2022

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.

Tod E. Kopyscinski

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: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **12/27/22**

Name of Laboratory: **Pace New England**

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