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*: 11/2/2022 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

November 2, 2022

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 – 3rd 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, samples were collected from two monitoring wells including MW-6 and MW-101 and analyzed for extractable total petroleum hydrocarbons (ETPH). ETPH was detected at a concentration of 150 micrograms per liter (µg/L) in a sample collected from MW-6 and a concentration of 270 µg/L in a sample collected from MW-101. A duplicate groundwater sample (DUP-2) was collected from MW-6 and submitted for quality assurance/quality control (QA/QC) purposes. A groundwater sample could not be collected from MW-CCA-3, MW-4R and MW-102 because these wells were dry.

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 polychlorinated biphenyls (PCBs) and ETPH. PCBs were not detected. ETPH concentrations ranged from not detected (between <140 and <150 µg/L) to 160 µg/L. A duplicate groundwater sample (DUP-1) was collected from MW-400 and submitted for QA/QC purposes.

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 µg/L in the sample collected from monitoring well MW-101.

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

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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September 26, 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: 22I1136

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

Sincerely,



Kerry K. McGee
Project Manager

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

REPORT DATE: 9/26/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I1136

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	22I1136-01	Ground Water		CTDEP ETPH	
				SW-846 8082A	
MW-402	22I1136-02	Ground Water		CTDEP ETPH	
				SW-846 8082A	
MW-403	22I1136-03	Ground Water		CTDEP ETPH	
				SW-846 8082A	
Dup-1	22I1136-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	

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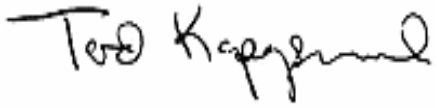
CASE NARRATIVE SUMMARY

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: 22I1136
Date Received: 9/20/2022
Field Sample #: MW-400
Sampled: 9/20/2022 12:25
Sample ID: 22I1136-01
Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:13	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		9/23/22 18:13
Decachlorobiphenyl [2]	104	30-150		9/23/22 18:13
Tetrachloro-m-xylene [1]	70.7	30-150		9/23/22 18:13
Tetrachloro-m-xylene [2]	68.0	30-150		9/23/22 18:13

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1136

Date Received: 9/20/2022

Field Sample #: MW-400 | Sampled: 9/20/2022 12:25

Sample ID: 22I1136-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.14	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 14:29	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	68.5	50-150		9/24/22 14:29

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1136

Date Received: 9/20/2022

Field Sample #: MW-402 | Sampled: 9/20/2022 11:40

Sample ID: 22I1136-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:31	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.3	30-150		9/23/22 18:31
Decachlorobiphenyl [2]	98.0	30-150		9/23/22 18:31
Tetrachloro-m-xylene [1]	68.4	30-150		9/23/22 18:31
Tetrachloro-m-xylene [2]	66.0	30-150		9/23/22 18:31

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1136

Date Received: 9/20/2022

Field Sample #: MW-402 | Sampled: 9/20/2022 11:40

Sample ID: 22I1136-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 15:00	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	63.6	50-150		9/24/22 15:00

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22I1136

Date Received: 9/20/2022

Field Sample #: MW-403
Sampled: 9/20/2022 11:05

Sample ID: 22I1136-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1221 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1232 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1242 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1248 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1254 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1260 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1262 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM
Aroclor-1268 [1]	ND	0.21	µg/L	1		SW-846 8082A	9/21/22	9/23/22 18:49	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.7	30-150		9/23/22 18:49
Decachlorobiphenyl [2]	91.0	30-150		9/23/22 18:49
Tetrachloro-m-xylene [1]	65.5	30-150		9/23/22 18:49
Tetrachloro-m-xylene [2]	63.5	30-150		9/23/22 18:49

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1136

Date Received: 9/20/2022

Field Sample #: MW-403 | Sampled: 9/20/2022 11:05

Sample ID: 22I1136-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 15:30	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	83.4	50-150		9/24/22 15:30

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1136

Date Received: 9/20/2022

Field Sample #: Dup-1 | Sampled: 9/20/2022 00:00

Sample ID: 22I1136-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/21/22	9/23/22 19:07	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	99.2	30-150				9/23/22 19:07	
Decachlorobiphenyl [2]	103	30-150				9/23/22 19:07	
Tetrachloro-m-xylene [1]	73.1	30-150				9/23/22 19:07	
Tetrachloro-m-xylene [2]	70.4	30-150				9/23/22 19:07	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1136

Date Received: 9/20/2022

Field Sample #: Dup-1 | Sampled: 9/20/2022 00:00

Sample ID: 22I1136-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.14	0.14	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 16:00	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	76.9	50-150		9/24/22 16:00

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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
22I1136-01 [MW-400]	B317819	970	0.900	09/22/22
22I1136-02 [MW-402]	B317819	1050	1.00	09/22/22
22I1136-03 [MW-403]	B317819	1000	1.00	09/22/22
22I1136-04 [Dup-1]	B317819	980	0.900	09/22/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1136-01 [MW-400]	B317714	980	10.0	09/21/22
22I1136-02 [MW-402]	B317714	1000	10.0	09/21/22
22I1136-03 [MW-403]	B317714	950	10.0	09/21/22
22I1136-04 [Dup-1]	B317714	1010	10.0	09/21/22

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B317714 - SW-846 3510C										
Blank (B317714-BLK1)				Prepared: 09/21/22 Analyzed: 09/22/22						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*2.02*		µg/L	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.00*		µg/L	2.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	*1.32*		µg/L	2.00		65.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.23*		µg/L	2.00		61.5	30-150			
LCS (B317714-BS1)				Prepared: 09/21/22 Analyzed: 09/22/22						
Aroclor-1016	0.45	0.20	µg/L	0.500		90.4	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		84.9	40-140			
Aroclor-1260	0.43	0.20	µg/L	0.500		86.0	40-140			
Aroclor-1260 [2C]	0.40	0.20	µg/L	0.500		79.7	40-140			
Surrogate: Decachlorobiphenyl	*2.24*		µg/L	2.00		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.22*		µg/L	2.00		111	30-150			
Surrogate: Tetrachloro-m-xylene	*1.43*		µg/L	2.00		71.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.33*		µg/L	2.00		66.6	30-150			
LCS Dup (B317714-BSD1)				Prepared: 09/21/22 Analyzed: 09/22/22						
Aroclor-1016	0.45	0.20	µg/L	0.500		89.4	40-140	1.10	20	
Aroclor-1016 [2C]	0.41	0.20	µg/L	0.500		82.2	40-140	3.32	20	
Aroclor-1260	0.43	0.20	µg/L	0.500		85.4	40-140	0.658	20	
Aroclor-1260 [2C]	0.39	0.20	µg/L	0.500		78.6	40-140	1.47	20	
Surrogate: Decachlorobiphenyl	*2.13*		µg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.10*		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.42*		µg/L	2.00		71.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.32*		µg/L	2.00		65.9	30-150			

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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 B317819 - SW-846 3510C										
Blank (B317819-BLK1)				Prepared: 09/22/22 Analyzed: 09/24/22						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0666*		mg/L	0.100		66.6	50-150			
LCS (B317819-BS1)				Prepared: 09/22/22 Analyzed: 09/24/22						
CT ETPH	0.619	0.15	mg/L	1.00		61.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0715*		mg/L	0.100		71.5	50-150			
LCS Dup (B317819-BSD1)				Prepared: 09/22/22 Analyzed: 09/24/22						
CT ETPH	0.624	0.15	mg/L	1.00		62.4	60-120	0.892	30	
Surrogate: 2-Fluorobiphenyl	*0.0700*		mg/L	0.100		70.0	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B317714-BS1 Date(s) Analyzed: 09/22/2022 09/22/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.42	6.9
Aroclor-1260	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.40	7.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B317714-BSD1 Date(s) Analyzed: 09/22/2022 09/22/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.41	9.3
Aroclor-1260	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.39	9.8

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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
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2023

22I1136

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Fax: 413-525-6405
Email: info@contestlabs.com

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 1

Company Name:	Weston & Sampson
Address:	712 Brook St, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO: 11003487
Project Manager:	Laura Yellen
Con-Test 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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	PCBS	ETPH
1	MW-460	9/20/22	1225	Grab	GW	U		4				X	X
2	MW-402	↓	1140	Grab	GW	U		4				X	X
3	MW-403	↓	1165	Grab	GW	U		4				X	X
4	Dup-1	↓	—	Grab	GW	U		4				X	X

[2] Preservation Code

Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest 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: 9.20.22 1435
Received by: (signature)	Date/Time: 9.20.22 1435
Relinquished by: (signature)	Date/Time: 9.20.22 1525
Received by: (signature) 4.5	Date/Time: 9/20 1525
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
CT DEEP RSRs
Res DEC
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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

Disclaimer: Con-Test Labs 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. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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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 W & S

Received By [signature] Date 9/20/22 Time 1525

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 # 2 Actual Temp - 4.5
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? F

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	15	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\D092422\D22F267006.D

CT ETPH Discrimination Check

Data File Name D22F267006.D
Data File Path C:\MSDCHEM\4\DATA\D092422\
Operator SFM
Date Acquired 9/24/1922 12:28
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.15	8187361	9080447	10
C-10	1.95	8377527	9080447	8
C-12	3.00	8559026	9080447	6
C-14	3.74	8987531	9080447	1
C-16	4.36	9276621	9080447	-2
C-18	4.90	9456771	9080447	-4
C-20	5.45	9589911	9080447	-6
C-22	6.14	9700201	9080447	-7
C-24	6.94	9875222	9080447	-9
C-26	7.75	9906316	9080447	-9
C-28	8.50	9859957	9080447	-9
C-30	9.19	9472397	9080447	-4
C-32	9.83	8704308	9080447	4
C-34	10.43	8296167	9080447	9
C-36	10.99	7957384	9080447	12

*One compound allowed %D</=50

Samples
22I1136-01
22I1136-02
22I1136-03
22I1136-04
22I1232-01
22I1232-02
22I1232-03
22I1232-04
22I1177-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Pace New England

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22I1136

Laboratory Sample ID(s):
22I1136-01 thru 22I1136-04

Sample Date(s):
09/20/2022

List RCP Methods Used:
CTDEP ETPH, SW-846 8082A

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:** **09/26/22**

Name of Laboratory: **Pace New England**

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

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September 26, 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: 22I1232

Enclosed are results of analyses for samples as received by the laboratory on September 21, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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

REPORT DATE: 9/26/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I1232

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	22I1232-01	Ground Water		CTDEP ETPH	
MW-101	22I1232-02	Ground Water		CTDEP ETPH	
Dup 2	22I1232-03	Ground Water		CTDEP ETPH	
MW-401	22I1232-04	Ground Water		CTDEP ETPH	
				SW-846 8082A	

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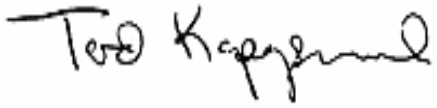
CASE NARRATIVE SUMMARY

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: 22I1232

Date Received: 9/21/2022

Field Sample #: MW-6 | Sampled: 9/21/2022 09:22

Sample ID: 22I1232-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.15	0.14	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 16:31	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	71.2	50-150		9/24/22 16:31

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Project Location: Simsbury, CT
Sample Description:
Work Order: 22I1232

Date Received: 9/21/2022

Field Sample #: MW-101
Sampled: 9/21/2022 11:00

Sample ID: 22I1232-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.27	0.15	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 17:01	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	76.3	50-150		9/24/22 17:01

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1232

Date Received: 9/21/2022

Field Sample #: Dup 2 | Sampled: 9/21/2022 09:22

Sample ID: 22I1232-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.15	0.15	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 17:31	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	78.7	50-150		9/24/22 17:31

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1232

Date Received: 9/21/2022

Field Sample #: MW-401 | Sampled: 9/21/2022 10:30

Sample ID: 22I1232-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/23/22	9/26/22 11:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.1	30-150		9/26/22 11:34
Decachlorobiphenyl [2]	88.1	30-150		9/26/22 11:34
Tetrachloro-m-xylene [1]	70.4	30-150		9/26/22 11:34
Tetrachloro-m-xylene [2]	68.3	30-150		9/26/22 11:34

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Project Location: Simsbury, CT | Sample Description: | Work Order: 22I1232

Date Received: 9/21/2022

Field Sample #: MW-401 | Sampled: 9/21/2022 10:30

Sample ID: 22I1232-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.16	0.15	mg/L	1		CTDEP ETPH	9/22/22	9/24/22 18:02	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	85.2	50-150		9/24/22 18:02

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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
22I1232-01 [MW-6]	B317819	1050	1.00	09/22/22
22I1232-02 [MW-101]	B317819	915	0.900	09/22/22
22I1232-03 [Dup 2]	B317819	1030	1.00	09/22/22
22I1232-04 [MW-401]	B317819	1030	1.00	09/22/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1232-04 [MW-401]	B317932	1000	10.0	09/23/22

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B317932 - SW-846 3510C										
Blank (B317932-BLK1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*2.06*		µg/L	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.96*		µg/L	2.00		98.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.34*		µg/L	2.00		67.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.31*		µg/L	2.00		65.4	30-150			
LCS (B317932-BS1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Aroclor-1016	0.44	0.20	µg/L	0.500		87.7	40-140			
Aroclor-1016 [2C]	0.44	0.20	µg/L	0.500		88.5	40-140			
Aroclor-1260	0.41	0.20	µg/L	0.500		81.7	40-140			
Aroclor-1260 [2C]	0.39	0.20	µg/L	0.500		78.6	40-140			
Surrogate: Decachlorobiphenyl	*2.13*		µg/L	2.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.03*		µg/L	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.52*		µg/L	2.00		76.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.48*		µg/L	2.00		73.8	30-150			
LCS Dup (B317932-BSD1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Aroclor-1016	0.41	0.20	µg/L	0.500		82.4	40-140	6.16	20	
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		84.8	40-140	4.28	20	
Aroclor-1260	0.39	0.20	µg/L	0.500		78.4	40-140	4.11	20	
Aroclor-1260 [2C]	0.38	0.20	µg/L	0.500		75.7	40-140	3.81	20	
Surrogate: Decachlorobiphenyl	*2.05*		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.95*		µg/L	2.00		97.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.46*		µg/L	2.00		72.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.42*		µg/L	2.00		70.8	30-150			

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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 B317819 - SW-846 3510C										
Blank (B317819-BLK1)				Prepared: 09/22/22 Analyzed: 09/24/22						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.0666*		mg/L	0.100		66.6	50-150			
LCS (B317819-BS1)				Prepared: 09/22/22 Analyzed: 09/24/22						
CT ETPH	0.619	0.15	mg/L	1.00		61.9	60-120			
Surrogate: 2-Fluorobiphenyl	*0.0715*		mg/L	0.100		71.5	50-150			
LCS Dup (B317819-BSD1)				Prepared: 09/22/22 Analyzed: 09/24/22						
CT ETPH	0.624	0.15	mg/L	1.00		62.4	60-120	0.892	30	
Surrogate: 2-Fluorobiphenyl	*0.0700*		mg/L	0.100		70.0	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B317932-BS1 Date(s) Analyzed: 09/26/2022 09/26/2022

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.44	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.39	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B317932-BSD1 Date(s) Analyzed: 09/26/2022 09/26/2022

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.42	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.38	2.6

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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
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2023

22I232

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Email: info@contestlabs.com

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 2

Company Name:	Weston & Sampson
Address:	712 Brook St, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO: 11003487
Project Manager:	Laura Yellen
Con-Test 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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	ETPH	PAHS	VOCs	EPH/VPH
1	MW-6	9-21-22	0922	Grab	GW	U						✓			
2	MW-101	9-21-22	1100	grab	GW	U						✓			
3	Dup 2	9-21-22	0922	grab	GW	U						✓			

[2] Preservation Code

Total Number Of:
VIALS
GLASS 6
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest 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: 9-21-22 1226
Received by: (signature)	Date/Time: 9/21/22 1312
Relinquished by: (signature)	Date/Time: 9/21/22 1405
Received by: (signature)	Date/Time: 9/21/22 1405
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT CT DEEP RSRs
Res DEC
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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

Disclaimer: Con-Test Labs 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. Con Test values your partnership on each project and will try to assist with missing information, but will not b held accountable.

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 2

Company Name:	Weston & Sampson
Address:	712 Brook St, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO: 11003487
Project Manager:	Laura Yellen
Con-Test 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 ☐

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Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
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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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	PCBS	ETPH
4	MW-401	9-21-22	1030	Grab	GW	U						✓	✓

Relinquished by: (signature) Date/Time: 9-21-22 1226
Received by: (signature) Date/Time: 9/21/22 1312
Relinquished by: (signature) Date/Time: 9/21/22 1400
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT DEEP RSRs
Res DEC
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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

Disclaimer: Con-Test Labs 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. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code

Total Number Of:
VIALS
GLASS 4
PLASTIC
BACTERIA
ENCORE

Glasswaer in the fridge? Y/N
Glassware in freezer? Y (N)
Prepackaged Cooler? (Y) / N
*Contest 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)

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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 and Sampson

Received By CA Date 9/21/22 Time 1405

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct From Sample F Ambient ____ Melted Ice ____

Were samples within Tempurature? Within 2-6°C T By Gun # 5 Actual Temp 2.0
By Blank # ____ Actual Temp -

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

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? F

Do All Samples Have the proper pH? No Acid Base

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	1	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\D092422\D22F267006.D

CT ETPH Discrimination Check

Data File Name D22F267006.D
Data File Path C:\MSDCHEM\4\DATA\D092422\
Operator SFM
Date Acquired 9/24/1922 12:28
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.15	8187361	9080447	10
C-10	1.95	8377527	9080447	8
C-12	3.00	8559026	9080447	6
C-14	3.74	8987531	9080447	1
C-16	4.36	9276621	9080447	-2
C-18	4.90	9456771	9080447	-4
C-20	5.45	9589911	9080447	-6
C-22	6.14	9700201	9080447	-7
C-24	6.94	9875222	9080447	-9
C-26	7.75	9906316	9080447	-9
C-28	8.50	9859957	9080447	-9
C-30	9.19	9472397	9080447	-4
C-32	9.83	8704308	9080447	4
C-34	10.43	8296167	9080447	9
C-36	10.99	7957384	9080447	12

*One compound allowed %D</=50

Samples
22I1136-01
22I1136-02
22I1136-03
22I1136-04
22I1232-01
22I1232-02
22I1232-03
22I1232-04
22I1177-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Pace New England

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 22I1232

Laboratory Sample ID(s):

22I1232-01 thru 22I1232-04

Sample Date(s):

09/21/2022

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A

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:** **09/26/22**

Name of Laboratory: **Pace New England**

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