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

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION
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:

- Only document types identified in the dropdown lists in Part III below may be submitted 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_DocumentType_DateofDocument**
    Example: REM_1234_MonitoringReport_01-01-2001
  - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
    Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
    Note: For "AbbreviationForDocumentType" use appropriate abbreviation at Transmittal of Documents

Part I: Primary Recipient*: Remediation or LUST (* required)

For Remediation documents:	For 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*: LUST Document Type
Date of Document*: 2/1/2021 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: *
CL&P, dba Eversource Energy

February 1, 2021

Mr. Robert Robinson
Bureau of Waste Management
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: 1) Letter, D. Blicharz to R. Robinson, dated April 30, 2020.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Robinson:

Groundwater Report – 4th Quarter 2020
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 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 various parameters. Samples could not be collected from monitoring wells MW-CCA-3, MW-4R, and MW-102 as planned because these wells were dry or had insufficient water.

As indicated in the enclosed laboratory analytical data report, groundwater sample results were below the Remediation Standard Regulation GA Groundwater Protection Criteria, Surface Water Protection Criteria, and Groundwater Volatilization Criteria.

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

Very truly yours,

The Connecticut Light and Power Company, dba Eversource Energy

Drew P. Blicharz
Environmental Specialist – Remediation

Enclosure

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 11, 2020

Jeff 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: 20L0303

Enclosed are results of analyses for samples received by the laboratory on December 4, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Michelle M. Koch
Project Manager

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

REPORT DATE: 12/11/2020

PURCHASE ORDER NUMBER: 1103487

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20L0303

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Simsbury, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW 101	20L0303-01	Ground Water		CTDEP ETPH	
				SW-846 8260C-D	
MW 6	20L0303-02	Ground Water		CTDEP ETPH	
DUP-1	20L0303-03	Ground Water		CTDEP ETPH	
TB-1	20L0303-04	Trip Blank Water		SW-846 8260C-D	

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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.

SW-846 8260C-D

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:

Chloromethane
B272283-BS1

Tetrahydrofuran
B272283-BS1

L-17

Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)
B272283-BS1

Bromomethane
B272283-BS1

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:

Bromoform
20L0303-01[MW 101], 20L0303-04[TB-1], B272283-BLK1, B272283-BS1, S055184-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:

2-Butanone (MEK)
B272283-BS1, S055184-CCV1

2-Hexanone (MBK)
B272283-BS1, S055184-CCV1

Bromomethane
B272283-BS1, S055184-CCV1

Chloromethane
B272283-BS1, S055184-CCV1

Tetrahydrofuran
B272283-BS1, S055184-CCV1

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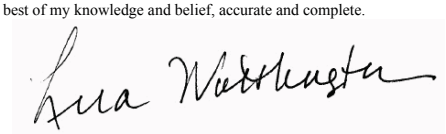
The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this 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® 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: 20L0303

Date Received: 12/4/2020

Field Sample #: MW 101 | Sampled: 12/4/2020 11:00

Sample ID: 20L0303-01

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 8260C-D	12/7/20	12/7/20 16:43	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Bromoform	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH

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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: 20L0303

Date Received: 12/4/2020

Field Sample #: MW 101 | Sampled: 12/4/2020 11:00

Sample ID: 20L0303-01

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 8260C-D	12/7/20	12/7/20 16:43	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 16:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		12/7/20 16:43
Toluene-d8	104	70-130		12/7/20 16:43
4-Bromofluorobenzene	99.5	70-130		12/7/20 16:43

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20L0303

Date Received: 12/4/2020

Field Sample #: MW 101 | Sampled: 12/4/2020 11:00

Sample ID: 20L0303-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.24	0.14	mg/L	1		CTDEP ETPH	12/5/20	12/7/20 21:41	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	103	50-150				12/7/20 21:41	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20L0303

Date Received: 12/4/2020

Field Sample #: MW 6 | Sampled: 12/4/2020 12:30

Sample ID: 20L0303-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	12/5/20	12/7/20 21:00	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	94.3	50-150				12/7/20 21:00	

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20L0303

Date Received: 12/4/2020

Field Sample #: DUP-1 | Sampled: 12/4/2020 00:00

Sample ID: 20L0303-03

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	12/5/20	12/7/20 20:39	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	109	50-150		12/7/20 20:39

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20L0303

Date Received: 12/4/2020

Field Sample #: TB-1 | Sampled: 12/4/2020 00:00

Sample ID: 20L0303-04

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 8260C-D	12/7/20	12/7/20 13:58	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Bromoform	ND	2.0	µg/L	1	V-05	SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH

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Project Location: Simsbury, CT | Sample Description: | Work Order: 20L0303

Date Received: 12/4/2020

Field Sample #: TB-1 | Sampled: 12/4/2020 00:00

Sample ID: 20L0303-04

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 8260C-D	12/7/20	12/7/20 13:58	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	12/7/20	12/7/20 13:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		12/7/20 13:58
Toluene-d8	105	70-130		12/7/20 13:58
4-Bromofluorobenzene	98.8	70-130		12/7/20 13:58

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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
20L0303-01 [MW 101]	B272216	940	0.900	12/05/20
20L0303-02 [MW 6]	B272216	1000	1.00	12/05/20
20L0303-03 [DUP-1]	B272216	1000	1.00	12/05/20

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20L0303-01 [MW 101]	B272283	5	5.00	12/07/20
20L0303-04 [TB-1]	B272283	5	5.00	12/07/20

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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 B272283 - SW-846 5030B										
Blank (B272283-BLK1)				Prepared & Analyzed: 12/07/20						
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
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 B272283 - SW-846 5030B											
Blank (B272283-BLK1)				Prepared & Analyzed: 12/07/20							
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	*27.2*		µg/L	25.0		109		70-130			
Surrogate: Toluene-d8	*26.2*		µg/L	25.0		105		70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.2		70-130			
LCS (B272283-BS1)				Prepared & Analyzed: 12/07/20							
Acetone	116	10	µg/L	100		116		40-160			
Acrylonitrile	11.9	2.0	µg/L	10.0		119		70-130			
Benzene	11.4	0.50	µg/L	10.0		114		70-130			
Bromobenzene	9.90	0.50	µg/L	10.0		99.0		70-130			
Bromodichloromethane	9.07	0.50	µg/L	10.0		90.7		70-130			
Bromoform	7.61	0.50	µg/L	10.0		76.1		70-130			V-05
Bromomethane	13.7	2.0	µg/L	10.0		137		40-160			L-17, V-20
2-Butanone (MEK)	133	5.0	µg/L	100		133		40-160			L-17, V-20
n-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130			
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130			
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100		70-130			
Carbon Disulfide	105	5.0	µg/L	100		105		70-130			
Carbon Tetrachloride	9.26	0.50	µg/L	10.0		92.6		70-130			
Chlorobenzene	9.12	0.50	µg/L	10.0		91.2		70-130			
Chlorodibromomethane	8.62	0.50	µg/L	10.0		86.2		40-160			
Chloroethane	11.6	0.50	µg/L	10.0		116		70-130			
Chloroform	10.7	0.50	µg/L	10.0		107		70-130			
Chloromethane	16.7	0.60	µg/L	10.0		**167**	*	40-160			L-01, V-20
2-Chlorotoluene	9.20	0.50	µg/L	10.0		92.0		70-130			
4-Chlorotoluene	9.37	0.50	µg/L	10.0		93.7		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.5	1.0	µg/L	10.0		105		70-130			
1,2-Dibromoethane (EDB)	9.62	0.50	µg/L	10.0		96.2		70-130			
Dibromomethane	8.90	0.50	µg/L	10.0		89.0		70-130			
1,2-Dichlorobenzene	9.26	0.50	µg/L	10.0		92.6		70-130			
1,3-Dichlorobenzene	9.51	0.50	µg/L	10.0		95.1		70-130			
1,4-Dichlorobenzene	9.30	0.50	µg/L	10.0		93.0		70-130			
trans-1,4-Dichloro-2-butene	8.83	2.0	µg/L	10.0		88.3		70-130			
Dichlorodifluoromethane (Freon 12)	8.74	0.50	µg/L	10.0		87.4		40-160			
1,1-Dichloroethane	11.8	0.50	µg/L	10.0		118		70-130			
1,2-Dichloroethane	9.00	0.50	µg/L	10.0		90.0		70-130			
1,1-Dichloroethylene	10.7	0.50	µg/L	10.0		107		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 B272283 - SW-846 5030B											
LCS (B272283-BS1)				Prepared & Analyzed: 12/07/20							
cis-1,2-Dichloroethylene	11.4	0.50	µg/L	10.0		114		70-130			
trans-1,2-Dichloroethylene	11.5	1.0	µg/L	10.0		115		70-130			
1,2-Dichloropropane	11.1	0.50	µg/L	10.0		111		70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130			
2,2-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130			
1,1-Dichloropropene	11.4	0.50	µg/L	10.0		114		70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130			
Ethylbenzene	9.63	0.50	µg/L	10.0		96.3		70-130			
Hexachlorobutadiene	9.01	0.60	µg/L	10.0		90.1		40-160			
2-Hexanone (MBK)	121	5.0	µg/L	100		121		70-130			V-20
Isopropylbenzene (Cumene)	9.15	0.50	µg/L	10.0		91.5		70-130			
p-Isopropyltoluene (p-Cymene)	10.1	0.50	µg/L	10.0		101		70-130			
Methyl tert-Butyl Ether (MTBE)	11.1	0.50	µg/L	10.0		111		70-130			
Methylene Chloride	11.5	5.0	µg/L	10.0		115		70-130			
4-Methyl-2-pentanone (MIBK)	119	5.0	µg/L	100		119		40-160			
Naphthalene	9.80	2.0	µg/L	10.0		98.0		70-130			
n-Propylbenzene	9.61	1.0	µg/L	10.0		96.1		70-130			
Styrene	9.85	1.0	µg/L	10.0		98.5		70-130			
1,1,1,2-Tetrachloroethane	8.57	0.50	µg/L	10.0		85.7		70-130			
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101		70-130			
Tetrachloroethylene	8.69	1.0	µg/L	10.0		86.9		70-130			
Tetrahydrofuran	14.3	10	µg/L	10.0		**143**	*	70-130			L-01, V-20
Toluene	9.90	1.0	µg/L	10.0		99.0		70-130			
1,2,3-Trichlorobenzene	9.27	1.0	µg/L	10.0		92.7		70-130			
1,2,4-Trichlorobenzene	9.47	0.50	µg/L	10.0		94.7		70-130			
1,1,1-Trichloroethane	10.0	0.50	µg/L	10.0		100		70-130			
1,1,2-Trichloroethane	10.1	0.50	µg/L	10.0		101		70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101		70-130			
Trichlorofluoromethane (Freon 11)	9.35	2.0	µg/L	10.0		93.5		40-160			
1,2,3-Trichloropropane	10.3	0.50	µg/L	10.0		103		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.54	0.50	µg/L	10.0		95.4		70-130			
1,2,4-Trimethylbenzene	10.1	0.50	µg/L	10.0		101		70-130			
1,3,5-Trimethylbenzene	9.69	0.50	µg/L	10.0		96.9		70-130			
Vinyl Chloride	9.63	1.0	µg/L	10.0		96.3		70-130			
m+p Xylene	19.6	2.0	µg/L	20.0		97.8		70-130			
o-Xylene	9.56	1.0	µg/L	10.0		95.6		70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.0*		µg/L	25.0		108		70-130			
Surrogate: Toluene-d8	*26.2*		µg/L	25.0		105		70-130			
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130			

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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 B272216 - SW-846 3510C										
Blank (B272216-BLK1)				Prepared: 12/05/20 Analyzed: 12/07/20						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	*0.111*		mg/L	0.100		111	50-150			
LCS (B272216-BS1)				Prepared: 12/05/20 Analyzed: 12/07/20						
CT ETPH	0.841	0.15	mg/L	1.00		84.1	60-120			
Surrogate: 2-Fluorobiphenyl	*0.101*		mg/L	0.100		101	50-150			
LCS Dup (B272216-BSD1)				Prepared: 12/05/20 Analyzed: 12/07/20						
CT ETPH	0.845	0.15	mg/L	1.00		84.5	60-120	0.426	30	
Surrogate: 2-Fluorobiphenyl	*0.103*		mg/L	0.100		103	50-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-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-17	Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
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.

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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 8260C-D 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 8260C-D 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

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

con-test ANALYTICAL LABORATORY
20L0303

Phone: 413-525-2332
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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - (for Eversource Energy)
Address:	712 Brook Street, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Simsbury AWC
Project Location:	Simsbury, CT
Project Number:	Client PO = 11003487
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Eversource - Drew Blicharz
Sampled By:	Richard Mandanhar

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: ☐ 5-7 Bus. Days ☑

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #: willsonj@wseinc.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs (8260)	PAHs *1	CT ETPH	# of Containers	[2] Preservation Code	[3] Container Code
								3	2	2			
								H	I	I			
								V	A	A			
1	MW 101	1230	12/4 1100		X	GW	U	X		X			
2	MW 6	12/4	1230		X	GW	U			X			
3	Dup-1				X	GW	U			X			
4	TB-1							X					

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

[3] **Container Codes:**
A = Amber Glass
G = Glass 05
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: (1) Please bill Eversource Drew Blicharz (drew.blicharz@eversource.com)

*1 - Run all PAH samples using SIM method at low detection limits. Eversource PO# 11003487

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

Relinquished by: (signature)	Date/Time: 12/4 1400
Received by: (signature)	Date/Time: 12/4/20 4:00
Relinquished by: (signature)	Date/Time: 12/4/20 6:15
Received by: (signature)	Date/Time: 12/4/20 1815
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT — CTDEEP RSRs (includes RES DEC & GA PMC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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 W4S

Received By _____ Date 12/4/20 Time 1815

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 2.8
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a
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 Project T Analysis T ID's T Sampler Name 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? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? Acid n/a Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	6	1 Liter Plastic		16 oz Amb.	
HCL-	5	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		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\2\DATA\B120720\B1207054.D

CT ETPH Discrimination Check

Data File Name B1207054.D
Data File Path C:\MSDCHEM\2\DATA\B120720\
Operator RDD
Date Acquired 12/7/1920 17:34
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

Name	Ret Time	Target Response	Average Response	*%D+/-20
n-Nonane	1.62	8281246	9606611	14
n-Decane	2.27	8584325	9606611	11
n-Dodecane	3.22	8828782	9606611	8
n-Tetradecane	3.93	9113749	9606611	5
n-Hexadecane	4.54	9506815	9606611	1
n-Octadecane	5.09	9748683	9606611	-1
n-Eicosane	5.69	9766647	9606611	-2
n-Docosane	6.44	9949000	9606611	-4
n-Tetracosane	7.27	10036186	9606611	-4
n-Hexacosane	8.07	10102687	9606611	-5
n-Octacosane	8.81	10218727	9606611	-6
n-Triacontane	9.49	10138187	9606611	-6
n-Dotriacontane	10.13	9985691	9606611	-4
n-Tetratriacontane	10.72	10015700	9606611	-4
n-Hexatriacontane	11.31	9822742	9606611	-2

Samples

*One compound allowed %D</=50

20L0067-06
20L0106-01
20L0259-01
20L0303-03
20L0303-02
20L0112-01
20L0303-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 20L0303

Laboratory Sample ID(s):
20L0303-01 thru 20L0303-04

Sample Date(s):
12/04/2020

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

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:** 12/11/20

Name of Laboratory: Con-Test Analytical Laboratory

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