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 Program (* 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 Hopemeadow 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*: 7/27/2021 Version: Final

Part IV: Submitter Information

Name*: Lynn Willey
E-mail*: lynn.e.willey@eversource.com
Name of company/business this document is being submitted on behalf of: *
Eversource Energy Services Company

July 27, 2021

Mr. Jan Czeczotka
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 J. Czeczotka, dated April 30, 2021.
2) Letter (C11330), M. Harder to R. Zaklukiewicz, dated February 26, 2002.

Dear Mr. Czeczotka:

Groundwater Report – 2nd Quarter 2021
Former Simsbury Area Work Center (Rem ID #4943)
34 Hopmeadow Street, Simsbury, CT

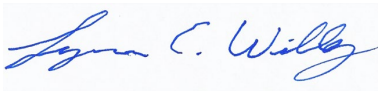
The Connecticut Light and Power Company dba Eversource Energy (Eversource) herein submits quarterly groundwater data for the Former Simsbury Area Work Center.

As documented in the 2020 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 three monitoring wells including MW-6, MW-101, and MW-102, and analyzed for extractable total petroleum hydrocarbons (ETPH). In addition, MW-102 was analyzed for VOCs and an ETPH fingerprint analysis was completed on groundwater collected from MW-6. A groundwater sample could not be collected from monitoring wells MW-4R and CCA-3 as planned because the wells were dry. A duplicate groundwater sample (DUP-1) was collected from MW-6 and a trip blank was submitted for quality assurance/ quality control (QA/QC) purposes.

As indicated in the enclosed laboratory analytical data report, ETPH was detected in MW-102 at a concentration of 0.45 milligrams per liter (mg/L) which exceeds the established Remediation Standard Regulations (RSRs) Groundwater Protection Criteria (GWPC) and Surface Water Protection Criteria (SWPC) of 0.250 mg/L. The Groundwater Volatilization Criteria (GWVC) is not applicable to this detection of ETPH because groundwater was measured greater than 10 feet below grade. VOCs were not detected in MW-102 and the associated trip blank. ETPH was not detected in groundwater at MW-101 and MW-6.

If you have any questions regarding this submittal, please call me at (860)-304-1888 (cell), (860)-665-6915 (office), or email me at lynn.e.willey@eversource.com.

Sincerely,



Lynn E. Willey, LEP, P.G.
Senior Environmental Specialist – Remediation
Eversource Energy Services Company

Enclosure: Con-Test (a Pace Analytical) Laboratory Analytical Testing Results

Cc: Jeff Willson -Weston & Sampson

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June 24, 2021

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: 21F1114

Enclosed are results of analyses for samples received by the laboratory on June 18, 2021. 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: 6/24/2021

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21F1114

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	21F1114-01	Ground Water		CTDEP ETPH	
				SW-846 8015C	
MW-101	21F1114-02	Ground Water		CTDEP ETPH	
MW-102	21F1114-03	Ground Water		CTDEP ETPH	
				SW-846 8260C-D	
Dup-1	21F1114-04	Ground Water		CTDEP ETPH	
Trip Blank	21F1114-05	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.

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CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH
B284377-BSD1, B284449-BSD1

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
B284377-BLK1, B284377-BS1, B284377-BSD1, B284449-BLK1, B284449-BS1, B284449-BSD1

CT ETPH
S060838-CCV6

SW-846 8015C

Qualifications:

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
B284377-BLK1, B284377-BSD1

SW-846 8260C-D

Qualifications:

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:

4-Methyl-2-pentanone (MIBK)
B284396-BS1

Acetone
B284396-BS1

Bromomethane
B284396-BS1

Chloromethane
B284396-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:

Carbon Disulfide
21F1114-03[MW-102], 21F1114-05[Trip Blank], B284396-BLK1, B284396-BS1, S060826-CCV1

Chloromethane
21F1114-03[MW-102], 21F1114-05[Trip Blank], B284396-BLK1, B284396-BS1, S060826-CCV1

Hexachlorobutadiene
21F1114-03[MW-102], 21F1114-05[Trip Blank], B284396-BLK1, B284396-BS1, S060826-CCV1

n-Butylbenzene
21F1114-03[MW-102], 21F1114-05[Trip Blank], B284396-BLK1, B284396-BS1, S060826-CCV1

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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)
B284396-BS1, S060826-CCV1

4-Methyl-2-pentanone (MIBK)
B284396-BS1, S060826-CCV1

Acetone
B284396-BS1, S060826-CCV1

Acrylonitrile
B284396-BS1, S060826-CCV1

Bromomethane
B284396-BS1, S060826-CCV1

V-34

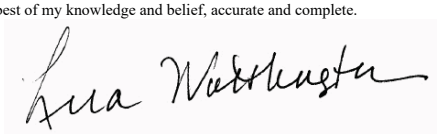
Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
21F1114-03[MW-102], 21F1114-05[Trip Blank], B284396-BLK1, B284396-BS1, S060826-CCV1

Chloromethane
21F1114-03[MW-102], 21F1114-05[Trip Blank], B284396-BLK1, B284396-BS1, S060826-CCV1

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



Lisa A. Worthington
Technical Representative

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Project Location: Simsbury, CT
Sample Description:
Work Order: 21F1114
Date Received: 6/18/2021
Field Sample #: MW-6
Sampled: 6/18/2021 10:00
Sample ID: 21F1114-01
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.14	mg/L	1		CTDEP ETPH	6/21/21	6/22/21 14:43	SFM
TPH (C9-C36)	ND	0.19	mg/L	1		SW-846 8015C	6/21/21	6/22/21 20:18	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	65.2	40-140		6/22/21 20:18
2-Fluorobiphenyl	57.2	50-150		6/22/21 14:43

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21F1114

Date Received: 6/18/2021

Field Sample #: MW-101 | Sampled: 6/18/2021 11:45

Sample ID: 21F1114-02

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	6/21/21	6/22/21 21:20	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	55.6	50-150		6/22/21 21:20

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21F1114

Date Received: 6/18/2021

Field Sample #: MW-102 | Sampled: 6/18/2021 10:40

Sample ID: 21F1114-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
n-Butylbenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Carbon Disulfide	ND	5.0	µg/L	1	V-05	SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1	V-05	SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21F1114

Date Received: 6/18/2021

Field Sample #: MW-102 | Sampled: 6/18/2021 10:40

Sample ID: 21F1114-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 19:56	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.3	70-130		6/21/21 19:56
Toluene-d8	94.4	70-130		6/21/21 19:56
4-Bromofluorobenzene	97.3	70-130		6/21/21 19:56

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21F1114

Date Received: 6/18/2021

Field Sample #: MW-102 | Sampled: 6/18/2021 10:40

Sample ID: 21F1114-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	0.45	0.14	mg/L	1		CTDEP ETPH	6/21/21	6/22/21 21:41	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	60.4	50-150		6/22/21 21:41

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21F1114

Date Received: 6/18/2021

Field Sample #: Dup-1 | Sampled: 6/18/2021 00:00

Sample ID: 21F1114-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	6/21/21	6/23/21 15:12	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorobiphenyl	58.6	50-150		6/23/21 15:12

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21F1114

Date Received: 6/18/2021

Field Sample #: Trip Blank | Sampled: 6/18/2021 00:00

Sample ID: 21F1114-05

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	6/21/21	6/21/21 16:01	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
n-Butylbenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Carbon Disulfide	ND	5.0	µg/L	1	V-05	SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1	V-05	SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD

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Project Location: Simsbury, CT | Sample Description: | Work Order: 21F1114

Date Received: 6/18/2021

Field Sample #: Trip Blank | Sampled: 6/18/2021 00:00

Sample ID: 21F1114-05

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	6/21/21	6/21/21 16:01	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/21/21	6/21/21 16:01	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		6/21/21 16:01
Toluene-d8	96.7	70-130		6/21/21 16:01
4-Bromofluorobenzene	98.4	70-130		6/21/21 16:01

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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
21F1114-02 [MW-101]	B284377	985	1.00	06/21/21
21F1114-03 [MW-102]	B284377	970	0.900	06/21/21
21F1114-04 [Dup-1]	B284377	1020	1.00	06/21/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1114-01 [MW-6]	B284449	960	0.900	06/21/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1114-01 [MW-6]	B284377	1040	1.00	06/21/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1114-03 [MW-102]	B284396	5	5.00	06/21/21
21F1114-05 [Trip Blank]	B284396	5	5.00	06/21/21

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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 B284396 - SW-846 5030B										
Blank (B284396-BLK1)				Prepared & Analyzed: 06/21/21						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							V-05
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							V-05
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							V-05, V-34
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							V-05
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							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B284396 - SW-846 5030B										
Blank (B284396-BLK1)				Prepared & Analyzed: 06/21/21						
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.1	70-130			
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6	70-130			
LCS (B284396-BS1)				Prepared & Analyzed: 06/21/21						
Acetone	139	10	µg/L	100		139	40-160			L-17, V-20
Acrylonitrile	12.8	2.0	µg/L	10.0		128	70-130			V-20
Benzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromobenzene	9.64	0.50	µg/L	10.0		96.4	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	10.0	0.50	µg/L	10.0		100	70-130			
Bromomethane	13.9	2.0	µg/L	10.0		139	40-160			L-17, V-20, V-34
2-Butanone (MEK)	126	5.0	µg/L	100		126	40-160			V-20
n-Butylbenzene	8.05	1.0	µg/L	10.0		80.5	70-130			V-05
sec-Butylbenzene	8.18	1.0	µg/L	10.0		81.8	70-130			
tert-Butylbenzene	8.61	1.0	µg/L	10.0		86.1	70-130			
Carbon Disulfide	77.0	5.0	µg/L	100		77.0	70-130			V-05
Carbon Tetrachloride	11.5	0.50	µg/L	10.0		115	70-130			
Chlorobenzene	9.42	0.50	µg/L	10.0		94.2	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112	40-160			
Chloroethane	10.9	0.50	µg/L	10.0		109	70-130			
Chloroform	11.1	0.50	µg/L	10.0		111	70-130			
Chloromethane	5.89	0.60	µg/L	10.0		58.9	40-160			L-17, V-05, V-34
2-Chlorotoluene	9.18	0.50	µg/L	10.0		91.8	70-130			
4-Chlorotoluene	9.26	0.50	µg/L	10.0		92.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.43	1.0	µg/L	10.0		94.3	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130			
Dibromomethane	11.7	0.50	µg/L	10.0		117	70-130			
1,2-Dichlorobenzene	9.00	0.50	µg/L	10.0		90.0	70-130			
1,3-Dichlorobenzene	9.09	0.50	µg/L	10.0		90.9	70-130			
1,4-Dichlorobenzene	9.08	0.50	µg/L	10.0		90.8	70-130			
trans-1,4-Dichloro-2-butene	9.68	2.0	µg/L	10.0		96.8	70-130			
Dichlorodifluoromethane (Freon 12)	9.20	0.50	µg/L	10.0		92.0	40-160			
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115	70-130			
1,2-Dichloroethane	12.1	0.50	µg/L	10.0		121	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 B284396 - SW-846 5030B										
LCS (B284396-BS1)				Prepared & Analyzed: 06/21/21						
1,1-Dichloroethylene	11.4	0.50	µg/L	10.0		114	70-130			
cis-1,2-Dichloroethylene	11.4	0.50	µg/L	10.0		114	70-130			
trans-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
1,2-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130			
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130			
2,2-Dichloropropane	11.1	0.50	µg/L	10.0		111	70-130			
1,1-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
Ethylbenzene	9.36	0.50	µg/L	10.0		93.6	70-130			
Hexachlorobutadiene	7.79	0.60	µg/L	10.0		77.9	40-160			V-05
2-Hexanone (MBK)	125	5.0	µg/L	100		125	70-130			
Isopropylbenzene (Cumene)	9.14	0.50	µg/L	10.0		91.4	70-130			
p-Isopropyltoluene (p-Cymene)	8.44	0.50	µg/L	10.0		84.4	70-130			
Methyl tert-Butyl Ether (MTBE)	11.0	0.50	µg/L	10.0		110	70-130			
Methyl Cyclohexane	9.50	1.0	µg/L	10.0		95.0	70-130			
Methylene Chloride	11.4	5.0	µg/L	10.0		114	70-130			
4-Methyl-2-pentanone (MIBK)	132	5.0	µg/L	100		132	40-160			L-17, V-20
Naphthalene	8.52	2.0	µg/L	10.0		85.2	70-130			
n-Propylbenzene	9.08	1.0	µg/L	10.0		90.8	70-130			
Styrene	9.52	1.0	µg/L	10.0		95.2	70-130			
1,1,1,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	12.0	10	µg/L	10.0		120	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	8.40	1.0	µg/L	10.0		84.0	70-130			
1,2,4-Trichlorobenzene	8.60	0.50	µg/L	10.0		86.0	70-130			
1,1,1-Trichloroethane	11.1	0.50	µg/L	10.0		111	70-130			
1,1,2-Trichloroethane	11.5	0.50	µg/L	10.0		115	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	9.50	2.0	µg/L	10.0		95.0	40-160			
1,2,3-Trichloropropane	10.9	0.50	µg/L	10.0		109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	0.50	µg/L	10.0		108	70-130			
1,2,4-Trimethylbenzene	8.47	0.50	µg/L	10.0		84.7	70-130			
1,3,5-Trimethylbenzene	9.14	0.50	µg/L	10.0		91.4	70-130			
Vinyl Chloride	10.8	1.0	µg/L	10.0		108	70-130			
m+p Xylene	19.1	2.0	µg/L	20.0		95.4	70-130			
o-Xylene	9.36	1.0	µg/L	10.0		93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/L	25.0		95.8	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102	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 B284377 - SW-846 3510C											
Blank (B284377-BLK1)				Prepared: 06/21/21 Analyzed: 06/22/21							
CT ETPH	ND	0.15	mg/L								
TPH (C9-C36)	ND	0.20	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0400*		mg/L	0.100		**40.0**	*	50-150			S-26
Surrogate: 2-Fluorobiphenyl	*0.0400*		mg/L	0.100		40.0		40-140			S-23
LCS (B284377-BS1)				Prepared: 06/21/21 Analyzed: 06/22/21							
CT ETPH	0.622	0.15	mg/L	1.00		62.2		60-120			
TPH (C9-C36)	0.629	0.20	mg/L	1.00		62.9		40-140			
Surrogate: 2-Fluorobiphenyl	*0.0461*		mg/L	0.100		46.1		40-140			
Surrogate: 2-Fluorobiphenyl	*0.0461*		mg/L	0.100		**46.1**	*	50-150			S-26
LCS Dup (B284377-BSD1)				Prepared: 06/21/21 Analyzed: 06/22/21							
CT ETPH	0.541	0.15	mg/L	1.00		**54.1**	*	60-120	14.0	30	L-07
TPH (C9-C36)	0.540	0.20	mg/L	1.00		54.0		40-140	15.3	25	
Surrogate: 2-Fluorobiphenyl	*0.0359*		mg/L	0.100		**35.9**	*	50-150			S-26
Surrogate: 2-Fluorobiphenyl	*0.0359*		mg/L	0.100		**35.9**	*	40-140			S-23
Batch B284449 - SW-846 3510C											
Blank (B284449-BLK1)				Prepared: 06/21/21 Analyzed: 06/22/21							
CT ETPH	ND	0.15	mg/L								
Surrogate: 2-Fluorobiphenyl	*0.0400*		mg/L	0.100		**40.0**	*	50-150			S-26
LCS (B284449-BS1)				Prepared: 06/21/21 Analyzed: 06/22/21							
CT ETPH	0.622	0.15	mg/L	1.00		62.2		60-120			
Surrogate: 2-Fluorobiphenyl	*0.0461*		mg/L	0.100		**46.1**	*	50-150			S-26
LCS Dup (B284449-BSD1)				Prepared: 06/21/21 Analyzed: 06/22/21							
CT ETPH	0.541	0.15	mg/L	1.00		**54.1**	*	60-120	14.0	30	L-07
Surrogate: 2-Fluorobiphenyl	*0.0359*		mg/L	0.100		**35.9**	*	50-150			S-26

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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.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
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.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria.
S-26	Surrogate outside of control limits.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 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

Con-Test, a Pace 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	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
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	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

21F1114

CHAIN OF CUSTODY RECORD

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:	Laura Yellen
Con-Test Bid:	n/a
Invoice Recipient:	Eversource (Lynn Willey)
Sampled By:	Will Sirotnak

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	ETPH Fingerprint	VPH (HOLD)	EPH (HOLD)
1	MW-6	6/18/21	1000		X	GW	U			X	X		
2	MW-101	↓	1145		↓	↓	↓			X		X	X
3	MW-102	↓	1040		↓	↓	↓	X		X			
4	DUP-1	6/18/21	—		↓	↓	↓			X			
5	Trip Blank	6/18/21	—					X					

| | | | | | | | | | | | | |

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 WFS

Received By [signature] Date 6/18/21 Time 1455

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 # 3 Actual Temp - 5.8
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 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? _____
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 T Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	12	1 Liter Plastic		16 oz Amb.	
HCL-	10	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\4\DATA\D062221.SEC\D0622007.D

CT ETPH Discrimination Check

Data File Name D0622007.D
Data File Path C:\MSDChem\4\DATA\D062221.SEC\
Operator RDD
Date Acquired 6/22/1921 12:01
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.66	7313436	8607143	15
C-10	2.30	7485660	8607143	13
C-12	3.23	7737833	8607143	10
C-14	3.95	7997704	8607143	7
C-16	4.55	8206618	8607143	5
C-18	5.10	8717383	8607143	-1
C-20	5.71	8624856	8607143	0
C-22	6.46	8735189	8607143	-1
C-24	7.30	8999913	8607143	-5
C-26	8.11	9043775	8607143	-5
C-28	8.85	9135521	8607143	-6
C-30	9.53	9268826	8607143	-8
C-32	10.16	9250514	8607143	-7
C-34	10.76	9344531	8607143	-9
C-36	11.32	9245387	8607143	-7

Samples
21F1114-01
21F0942-02

*One compound allowed %D</=50

C:\MSDChem\4\DATA\D062221.SEC\D0622031.D

CT ETPH Discrimination Check

Data File Name D0622031.D
Data File Path C:\MSDChem\4\DATA\D062221.SEC\
Operator RDD
Date Acquired 6/22/1921 17:05
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.66	7444968	8778721	15
C-10	2.30	7626093	8778721	13
C-12	3.23	7883311	8778721	10
C-14	3.95	8166267	8778721	7
C-16	4.55	8377425	8778721	5
C-18	5.10	8903756	8778721	-1
C-20	5.71	8809719	8778721	0
C-22	6.46	8900469	8778721	-1
C-24	7.30	9175279	8778721	-5
C-26	8.11	9211681	8778721	-5
C-28	8.85	9319141	8778721	-6
C-30	9.53	9495460	8778721	-8
C-32	10.17	9486666	8778721	-8
C-34	10.76	9518848	8778721	-8
C-36	11.32	9361731	8778721	-7

*One compound allowed %D</=50

Samples
21F1114-02
21F1114-03
21F1057-01
21F0942-05

C:\MSDChem\4\DATA\D062321.SEC\D0623015.D

CT ETPH Discrimination Check

Data File Name D0623015.D
Data File Path C:\MSDChem\4\DATA\D062321.SEC\
Operator RDD
Date Acquired 6/23/1921 13:29
Acq. Method File EPH11D.M
Sample Name ETPH 1500
Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.66	7727539	8813855	12
C-10	2.31	7881140	8813855	11
C-12	3.23	8013518	8813855	9
C-14	3.94	8233366	8813855	7
C-16	4.55	8424430	8813855	4
C-18	5.10	8934527	8813855	-1
C-20	5.71	8838250	8813855	0
C-22	6.46	8933911	8813855	-1
C-24	7.30	9206088	8813855	-4
C-26	8.10	9242549	8813855	-5
C-28	8.84	9336334	8813855	-6
C-30	9.53	9437875	8813855	-7
C-32	10.16	9372739	8813855	-6
C-34	10.76	9396598	8813855	-7
C-36	11.31	9228959	8813855	-5

Samples

21F1114-04
21F1176-04
21F1176-05
21F1176-01

*One compound allowed %D</=50

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test, a Pace Analytical Laboratory

Client: Weston & Sampson

Project Location: Simsbury, CT

Project Number: 21F1114

Laboratory Sample ID(s):
21F1114-01 thru 21F1114-05

Sample Date(s):
06/18/2021

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:** **06/24/21**

Name of Laboratory: **Con-Test, a Pace Analytical Laboratory**

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