# 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 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*: 2/28/2022 Version: Final

**Part IV: Submitter Information**

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

EVERSOURCE ENERGY

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

February 28, 2022

Mr. Jan Czeczotka
Bureau of Waste Management
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 – 4th Quarter 2021
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 four monitoring wells including MW-CCA-3, MW-6, MW-101, and MW-102, and analyzed for various parameters. In addition, four new monitoring wells were installed in December 2021 for post-remediation monitoring purposes within and surrounding the excavation footprint of Area of Potential Environmental Concern #4. Groundwater samples were collected from these wells including MW-400, MW-401, MW-402, and MW-403, and analyzed for polychlorinated biphenyls and extractable petroleum hydrocarbons (ETPH). A sample could not be collected from well MW-4R due to insufficient water. A duplicate groundwater sample (DUP-1) was collected for quality assurance/ quality control (QA/QC) purposes.

As indicated in the enclosed laboratory analytical data reports, groundwater sample results were generally below the Remediation Standard Regulations Criteria except for an ETPH concentration detected above the Groundwater Protection Criteria (GWPC) and Surface Water Protection Criteria (SWPC) of 250 micrograms per liter in the sample collected from monitoring well MW-102.

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 Blicharz

Drew P. Blicharz, CHMM
Environmental Specialist – Remediation

Enclosure: Laboratory Analytical Testing Results

con-test®
A Pace Analytical® Laboratory

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

January 10, 2022

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 21L1949

Enclosed are results of analyses for samples as received by the laboratory on December 29, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

# Table of Contents

Sample Summary 3

Case Narrative 4

Sample Results 5

21L1949-01 5

21L1949-02 6

21L1949-03 7

21L1949-04 10

21L1949-05 11

21L1949-06 13

21L1949-07 15

21L1949-08 17

Sample Preparation Information 19

QC Data 20

Volatile Organic Compounds by GC/MS 20

B298058 20

Semivolatile Organic Compounds by GC/MS 23

B298328 23

Polychlorinated Biphenyls By GC/ECD 25

B298266 25

Petroleum Hydrocarbons Analyses 26

B298260 26

Dual Column RPD Report 27

Flag/Qualifier Summary 29

Certifications 30

Chain of Custody/Sample Receipt 33

con-test®
A Pace Analytical® Laboratory

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

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

REPORT DATE: 1/10/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 21L1949

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 |
|---|---|---|---|---|---|
| CCA-3 | 21L1949-01 | Ground Water | | SW-846 8270E | |
| MW-6 | 21L1949-02 | Ground Water | | CTDEP ETPH | |
| MW-102 | 21L1949-03 | Ground Water | | CTDEP ETPH | |
| | | | | SW-846 8260D | |
| MW-101 | 21L1949-04 | Ground Water | | CTDEP ETPH | |
| MW-400 | 21L1949-05 | Ground Water | | CTDEP ETPH | |
| | | | | SW-846 8082A | |
| MW-401 | 21L1949-06 | Ground Water | | CTDEP ETPH | |
| | | | | SW-846 8082A | |
| DUP-1 | 21L1949-07 | Ground Water | | CTDEP ETPH | |
| | | | | SW-846 8082A | |
| Trip Blank | 21L1949-08 | Ground Water | | SW-846 8260D | |

con-test®
A Pace Analytical® Laboratory

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

**CASE NARRATIVE SUMMARY**

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

For method 8270E, only PAHs were requested and reported.

**SW-846 8260D**

**Qualifications:**

**L-03**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:**

**Naphthalene**
21L1949-03[MW-102], 21L1949-08[Trip Blank], B298058-BLK1, B298058-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:**

**1,2,3-Trichlorobenzene**
21L1949-03[MW-102], 21L1949-08[Trip Blank], B298058-BLK1, B298058-BS1, S067022-CCV1

**1,2,4-Trichlorobenzene**
21L1949-03[MW-102], 21L1949-08[Trip Blank], B298058-BLK1, B298058-BS1, S067022-CCV1

**Naphthalene**
21L1949-03[MW-102], 21L1949-08[Trip Blank], B298058-BLK1, B298058-BS1, S067022-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.

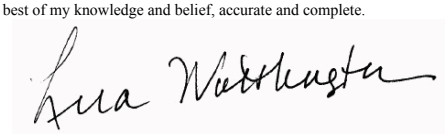
**Analyte & Samples(s) Qualified:**

**Bromomethane**
B298058-BS1, S067022-CCV1

**Chloroethane**
B298058-BS1, S067022-CCV1

**Chloromethane**
B298058-BS1, S067022-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

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: CCA-3** | Sampled: 12/28/2021 09:00

**Sample ID: 21L1949-01**

Sample Matrix: Ground Water

**Semivolatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene (SIM) | ND | 0.29 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Acenaphthylene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Anthracene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Benzo(a)anthracene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Benzo(a)pyrene (SIM) | ND | 0.095 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Benzo(b)fluoranthene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Benzo(g,h,i)perylene (SIM) | ND | 0.48 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Benzo(k)fluoranthene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Chrysene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Dibenz(a,h)anthracene (SIM) | ND | 0.095 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Fluoranthene (SIM) | ND | 0.48 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Fluorene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.095 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| 2-Methylnaphthalene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Naphthalene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Phenanthrene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |
| Pyrene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270E | 1/4/22 | 1/5/22 16:00 | IMR |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 69.2 | 30-130 | | 1/5/22 16:00 |
| 2-Fluorobiphenyl | 65.5 | 30-130 | | 1/5/22 16:00 |
| p-Terphenyl-d14 | 55.2 | 30-130 | | 1/5/22 16:00 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-6** | Sampled: 12/28/2021 09:50

**Sample ID: 21L1949-02**

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 | 1/4/22 | 1/5/22 12:46 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 72.7 | 50-150 | | 1/5/22 12:46 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-102** | Sampled: 12/28/2021 10:30

**Sample ID: 21L1949-03**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Chloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-102** | Sampled: 12/28/2021 10:30

**Sample ID: 21L1949-03**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | L-03, V-05 | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | V-05 | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | V-05 | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 13:24 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 70-130 | | 12/30/21 13:24 |
| Toluene-d8 | 105 | 70-130 | | 12/30/21 13:24 |
| 4-Bromofluorobenzene | 99.4 | 70-130 | | 12/30/21 13:24 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-102** | Sampled: 12/28/2021 10:30

**Sample ID: 21L1949-03**

Sample Matrix: Ground Water

**Petroleum Hydrocarbons Analyses**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| CT ETPH | 0.35 | 0.15 | mg/L | 1 | | CTDEP ETPH | 1/4/22 | 1/5/22 11:01 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 85.2 | 50-150 | | 1/5/22 11:01 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-101** | Sampled: 12/28/2021 11:20

**Sample ID: 21L1949-04**

Sample Matrix: Ground Water

**Petroleum Hydrocarbons Analyses**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| CT ETPH | 0.21 | 0.15 | mg/L | 1 | | CTDEP ETPH | 1/4/22 | 1/5/22 12:46 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 82.8 | 50-150 | | 1/5/22 12:46 |

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-400** | Sampled: 12/28/2021 13:00

**Sample ID: 21L1949-05**

Sample Matrix: Ground Water

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1221 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1232 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1242 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1248 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1254 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1260 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1262 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |
| Aroclor-1268 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:17 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 87.7 | 30-150 | | 1/5/22 12:17 |
| Decachlorobiphenyl [2] | 86.8 | 30-150 | | 1/5/22 12:17 |
| Tetrachloro-m-xylene [1] | 78.8 | 30-150 | | 1/5/22 12:17 |
| Tetrachloro-m-xylene [2] | 76.1 | 30-150 | | 1/5/22 12:17 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-400** | Sampled: 12/28/2021 13:00

**Sample ID: 21L1949-05**

Sample Matrix: Ground Water

**Petroleum Hydrocarbons Analyses**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| CT ETPH | 0.15 | 0.15 | mg/L | 1 | | CTDEP ETPH | 1/4/22 | 1/5/22 12:25 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 85.1 | 50-150 | | 1/5/22 12:25 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-401** | Sampled: 12/28/2021 12:15

**Sample ID: 21L1949-06**

Sample Matrix: Ground Water

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1221 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1232 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1242 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1248 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1254 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1260 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1262 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |
| Aroclor-1268 [1] | ND | 0.14 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:34 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 91.2 | 30-150 | | 1/5/22 12:34 |
| Decachlorobiphenyl [2] | 90.5 | 30-150 | | 1/5/22 12:34 |
| Tetrachloro-m-xylene [1] | 78.2 | 30-150 | | 1/5/22 12:34 |
| Tetrachloro-m-xylene [2] | 75.7 | 30-150 | | 1/5/22 12:34 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: MW-401** | Sampled: 12/28/2021 12:15

**Sample ID: 21L1949-06**

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 | 1/4/22 | 1/5/22 13:07 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 85.0 | 50-150 | | 1/5/22 13:07 |

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: DUP-1** | Sampled: 12/28/2021 00:00

**Sample ID: 21L1949-07**

Sample Matrix: Ground Water

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1221 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1232 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1242 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1248 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1254 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1260 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1262 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |
| Aroclor-1268 [1] | ND | 0.15 | µg/L | 1 | | SW-846 8082A | 1/4/22 | 1/5/22 12:52 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 94.4 | 30-150 | | 1/5/22 12:52 |
| Decachlorobiphenyl [2] | 93.7 | 30-150 | | 1/5/22 12:52 |
| Tetrachloro-m-xylene [1] | 85.3 | 30-150 | | 1/5/22 12:52 |
| Tetrachloro-m-xylene [2] | 82.8 | 30-150 | | 1/5/22 12:52 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: DUP-1** | Sampled: 12/28/2021 00:00

**Sample ID: 21L1949-07**

Sample Matrix: Ground Water

**Petroleum Hydrocarbons Analyses**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| CT ETPH | 0.16 | 0.15 | mg/L | 1 | | CTDEP ETPH | 1/4/22 | 1/5/22 12:25 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 55.5 | 50-150 | | 1/5/22 12:25 |

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

Project Location: Simsbury, CT
Sample Description:
Work Order: 21L1949
Date Received: 12/29/2021
**Field Sample #: Trip Blank**
Sampled: 12/28/2021 00:00
**Sample ID: 21L1949-08**
Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Chloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 21L1949

Date Received: 12/29/2021

**Field Sample #: Trip Blank** | Sampled: 12/28/2021 00:00

**Sample ID: 21L1949-08**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | L-03, V-05 | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | V-05 | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | V-05 | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260D | 12/30/21 | 12/30/21 11:48 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99.6 | 70-130 | | 12/30/21 11:48 |
| Toluene-d8 | 105 | 70-130 | | 12/30/21 11:48 |
| 4-Bromofluorobenzene | 99.9 | 70-130 | | 12/30/21 11:48 |

con-test®
A Pace Analytical® Laboratory

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

**Sample Extraction Data**

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21L1949-02 [MW-6] | B298260 | 1020 | 1.00 | 01/04/22 |
| 21L1949-03 [MW-102] | B298260 | 930 | 0.900 | 01/04/22 |
| 21L1949-04 [MW-101] | B298260 | 1020 | 1.00 | 01/04/22 |
| 21L1949-05 [MW-400] | B298260 | 1000 | 1.00 | 01/04/22 |
| 21L1949-06 [MW-401] | B298260 | 970 | 1.00 | 01/04/22 |
| 21L1949-07 [DUP-1] | B298260 | 1010 | 1.00 | 01/04/22 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21L1949-05 [MW-400] | B298266 | 140 | 2.00 | 01/04/22 |
| 21L1949-06 [MW-401] | B298266 | 140 | 2.00 | 01/04/22 |
| 21L1949-07 [DUP-1] | B298266 | 130 | 2.00 | 01/04/22 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21L1949-03 [MW-102] | B298058 | 5 | 5.00 | 12/30/21 |
| 21L1949-08 [Trip Blank] | B298058 | 5 | 5.00 | 12/30/21 |

**Prep Method: SW-846 3510C** **Analytical Method: SW-846 8270E**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21L1949-01 [CCA-3] | B298328 | 1050 | 1.00 | 01/04/22 |

con-test®
A Pace Analytical® Laboratory

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

**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 B298058 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B298058-BLK1)** | | | | Prepared & Analyzed: 12/30/21 | | | | | | |
| 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 | | | | | | | |
| 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 | | | | | | | L-03, V-05 |
| 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 | | | | | | | |

con-test®
A Pace Analytical® Laboratory

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

**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 B298058 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B298058-BLK1)** | | | | Prepared & Analyzed: 12/30/21 | | | | | | |
| 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 | | | | | | | V-05 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | | | | | | | V-05 |
| 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 | *24.0* | | µg/L | 25.0 | | 96.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | *26.3* | | µg/L | 25.0 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.0* | | µg/L | 25.0 | | 100 | 70-130 | | | |
| **LCS (B298058-BS1)** | | | | Prepared & Analyzed: 12/30/21 | | | | | | |
| Acetone | 92.2 | 10 | µg/L | 100 | | 92.2 | 40-160 | | | |
| Acrylonitrile | 9.48 | 2.0 | µg/L | 10.0 | | 94.8 | 70-130 | | | |
| Benzene | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Bromobenzene | 9.62 | 0.50 | µg/L | 10.0 | | 96.2 | 70-130 | | | |
| Bromodichloromethane | 10.8 | 0.50 | µg/L | 10.0 | | 108 | 70-130 | | | |
| Bromoform | 9.40 | 0.50 | µg/L | 10.0 | | 94.0 | 70-130 | | | |
| Bromomethane | 12.1 | 2.0 | µg/L | 10.0 | | 121 | 40-160 | | | V-20 |
| 2-Butanone (MEK) | 88.8 | 5.0 | µg/L | 100 | | 88.8 | 40-160 | | | |
| n-Butylbenzene | 7.81 | 1.0 | µg/L | 10.0 | | 78.1 | 70-130 | | | |
| sec-Butylbenzene | 8.87 | 1.0 | µg/L | 10.0 | | 88.7 | 70-130 | | | |
| tert-Butylbenzene | 9.23 | 1.0 | µg/L | 10.0 | | 92.3 | 70-130 | | | |
| Carbon Disulfide | 93.9 | 5.0 | µg/L | 100 | | 93.9 | 70-130 | | | |
| Carbon Tetrachloride | 8.91 | 0.50 | µg/L | 10.0 | | 89.1 | 70-130 | | | |
| Chlorobenzene | 10.4 | 0.50 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Chlorodibromomethane | 10.7 | 0.50 | µg/L | 10.0 | | 107 | 40-160 | | | |
| Chloroethane | 11.7 | 0.50 | µg/L | 10.0 | | 117 | 70-130 | | | V-20 |
| Chloroform | 10.5 | 0.50 | µg/L | 10.0 | | 105 | 70-130 | | | |
| Chloromethane | 11.8 | 0.60 | µg/L | 10.0 | | 118 | 40-160 | | | V-20 |
| 2-Chlorotoluene | 9.56 | 0.50 | µg/L | 10.0 | | 95.6 | 70-130 | | | |
| 4-Chlorotoluene | 9.58 | 0.50 | µg/L | 10.0 | | 95.8 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8.27 | 1.0 | µg/L | 10.0 | | 82.7 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | |
| Dibromomethane | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |
| 1,2-Dichlorobenzene | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| 1,3-Dichlorobenzene | 9.95 | 0.50 | µg/L | 10.0 | | 99.5 | 70-130 | | | |
| 1,4-Dichlorobenzene | 9.76 | 0.50 | µg/L | 10.0 | | 97.6 | 70-130 | | | |
| trans-1,4-Dichloro-2-butene | 9.36 | 2.0 | µg/L | 10.0 | | 93.6 | 70-130 | | | |
| Dichlorodifluoromethane (Freon 12) | 7.87 | 0.50 | µg/L | 10.0 | | 78.7 | 40-160 | | | |
| 1,1-Dichloroethane | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| 1,2-Dichloroethane | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |
| 1,1-Dichloroethylene | 9.26 | 0.50 | µg/L | 10.0 | | 92.6 | 70-130 | | | |

con-test®
A Pace Analytical® Laboratory

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

**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 B298058 - SW-846 5030B** | | | | | | | | | | | |
| **LCS (B298058-BS1)** | | | | Prepared & Analyzed: 12/30/21 | | | | | | | |
| cis-1,2-Dichloroethylene | 10.6 | 0.50 | µg/L | 10.0 | | 106 | | 70-130 | | | |
| trans-1,2-Dichloroethylene | 9.81 | 1.0 | µg/L | 10.0 | | 98.1 | | 70-130 | | | |
| 1,2-Dichloropropane | 10.7 | 0.50 | µg/L | 10.0 | | 107 | | 70-130 | | | |
| 1,3-Dichloropropane | 10.5 | 0.50 | µg/L | 10.0 | | 105 | | 70-130 | | | |
| 2,2-Dichloropropane | 9.79 | 0.50 | µg/L | 10.0 | | 97.9 | | 70-130 | | | |
| 1,1-Dichloropropene | 9.07 | 0.50 | µg/L | 10.0 | | 90.7 | | 70-130 | | | |
| cis-1,3-Dichloropropene | 11.0 | 0.50 | µg/L | 10.0 | | 110 | | 70-130 | | | |
| trans-1,3-Dichloropropene | 10.6 | 0.50 | µg/L | 10.0 | | 106 | | 70-130 | | | |
| Ethylbenzene | 9.51 | 0.50 | µg/L | 10.0 | | 95.1 | | 70-130 | | | |
| Hexachlorobutadiene | 8.34 | 0.60 | µg/L | 10.0 | | 83.4 | | 40-160 | | | |
| 2-Hexanone (MBK) | 85.7 | 5.0 | µg/L | 100 | | 85.7 | | 70-130 | | | |
| Isopropylbenzene (Cumene) | 9.56 | 0.50 | µg/L | 10.0 | | 95.6 | | 70-130 | | | |
| p-Isopropyltoluene (p-Cymene) | 8.81 | 0.50 | µg/L | 10.0 | | 88.1 | | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 11.6 | 0.50 | µg/L | 10.0 | | 116 | | 70-130 | | | |
| Methylene Chloride | 10.8 | 5.0 | µg/L | 10.0 | | 108 | | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 91.2 | 5.0 | µg/L | 100 | | 91.2 | | 40-160 | | | |
| **Naphthalene** | 5.92 | 2.0 | µg/L | 10.0 | | **59.2** | * | 70-130 | | | L-03, V-05 |
| n-Propylbenzene | 8.85 | 1.0 | µg/L | 10.0 | | 88.5 | | 70-130 | | | |
| Styrene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | | 70-130 | | | |
| 1,1,1,2-Tetrachloroethane | 10.4 | 0.50 | µg/L | 10.0 | | 104 | | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 9.77 | 0.50 | µg/L | 10.0 | | 97.7 | | 70-130 | | | |
| Tetrachloroethylene | 9.45 | 1.0 | µg/L | 10.0 | | 94.5 | | 70-130 | | | |
| Tetrahydrofuran | 9.69 | 10 | µg/L | 10.0 | | 96.9 | | 70-130 | | | |
| Toluene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 7.33 | 1.0 | µg/L | 10.0 | | 73.3 | | 70-130 | | | V-05 |
| 1,2,4-Trichlorobenzene | 7.15 | 0.50 | µg/L | 10.0 | | 71.5 | | 70-130 | | | V-05 |
| 1,1,1-Trichloroethane | 9.25 | 0.50 | µg/L | 10.0 | | 92.5 | | 70-130 | | | |
| 1,1,2-Trichloroethane | 10.9 | 0.50 | µg/L | 10.0 | | 109 | | 70-130 | | | |
| Trichloroethylene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 8.22 | 2.0 | µg/L | 10.0 | | 82.2 | | 40-160 | | | |
| 1,2,3-Trichloropropane | 8.52 | 0.50 | µg/L | 10.0 | | 85.2 | | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 8.53 | 0.50 | µg/L | 10.0 | | 85.3 | | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 9.59 | 0.50 | µg/L | 10.0 | | 95.9 | | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 9.41 | 0.50 | µg/L | 10.0 | | 94.1 | | 70-130 | | | |
| Vinyl Chloride | 10.0 | 1.0 | µg/L | 10.0 | | 100 | | 70-130 | | | |
| m+p Xylene | 19.5 | 2.0 | µg/L | 20.0 | | 97.4 | | 70-130 | | | |
| o-Xylene | 10.2 | 1.0 | µg/L | 10.0 | | 102 | | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.5* | | µg/L | 25.0 | | 97.8 | | 70-130 | | | |
| Surrogate: Toluene-d8 | *26.7* | | µg/L | 25.0 | | 107 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *24.9* | | µg/L | 25.0 | | 99.6 | | 70-130 | | | |

con-test®
A Pace Analytical® Laboratory

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

**QUALITY CONTROL**

**Semivolatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B298328 - SW-846 3510C** | | | | | | | | | | |
| **Blank (B298328-BLK1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| Acenaphthene (SIM) | ND | 0.30 | µg/L | | | | | | | |
| Acenaphthylene (SIM) | ND | 0.20 | µg/L | | | | | | | |
| Anthracene (SIM) | ND | 0.20 | µg/L | | | | | | | |
| Benzo(a)anthracene (SIM) | ND | 0.050 | µg/L | | | | | | | |
| Benzo(a)pyrene (SIM) | ND | 0.10 | µg/L | | | | | | | |
| Benzo(b)fluoranthene (SIM) | ND | 0.050 | µg/L | | | | | | | |
| Benzo(g,h,i)perylene (SIM) | ND | 0.50 | µg/L | | | | | | | |
| Benzo(k)fluoranthene (SIM) | ND | 0.20 | µg/L | | | | | | | |
| Chrysene (SIM) | ND | 0.20 | µg/L | | | | | | | |
| Dibenz(a,h)anthracene (SIM) | ND | 0.10 | µg/L | | | | | | | |
| Fluoranthene (SIM) | ND | 0.50 | µg/L | | | | | | | |
| Fluorene (SIM) | ND | 1.0 | µg/L | | | | | | | |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.10 | µg/L | | | | | | | |
| 2-Methylnaphthalene (SIM) | ND | 1.0 | µg/L | | | | | | | |
| Naphthalene (SIM) | ND | 1.0 | µg/L | | | | | | | |
| Phenanthrene (SIM) | ND | 0.050 | µg/L | | | | | | | |
| Pyrene (SIM) | ND | 1.0 | µg/L | | | | | | | |
| Surrogate: Nitrobenzene-d5 | *79.2* | | µg/L | 100 | | 79.2 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *68.9* | | µg/L | 100 | | 68.9 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *98.7* | | µg/L | 100 | | 98.7 | 30-130 | | | |
| **LCS (B298328-BS1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| Acenaphthene (SIM) | 33.3 | 6.0 | µg/L | 50.0 | | 66.6 | 40-140 | | | |
| Acenaphthylene (SIM) | 35.8 | 4.0 | µg/L | 50.0 | | 71.7 | 40-140 | | | |
| Anthracene (SIM) | 35.5 | 4.0 | µg/L | 50.0 | | 70.9 | 40-140 | | | |
| Benzo(a)anthracene (SIM) | 35.6 | 1.0 | µg/L | 50.0 | | 71.3 | 40-140 | | | |
| Benzo(a)pyrene (SIM) | 37.8 | 2.0 | µg/L | 50.0 | | 75.7 | 40-140 | | | |
| Benzo(b)fluoranthene (SIM) | 39.2 | 1.0 | µg/L | 50.0 | | 78.5 | 40-140 | | | |
| Benzo(g,h,i)perylene (SIM) | 36.7 | 10 | µg/L | 50.0 | | 73.5 | 40-140 | | | |
| Benzo(k)fluoranthene (SIM) | 39.4 | 4.0 | µg/L | 50.0 | | 78.9 | 40-140 | | | |
| Chrysene (SIM) | 34.4 | 4.0 | µg/L | 50.0 | | 68.8 | 40-140 | | | |
| Dibenz(a,h)anthracene (SIM) | 35.8 | 2.0 | µg/L | 50.0 | | 71.5 | 40-140 | | | |
| Fluoranthene (SIM) | 35.2 | 10 | µg/L | 50.0 | | 70.5 | 40-140 | | | |
| Fluorene (SIM) | 35.7 | 20 | µg/L | 50.0 | | 71.4 | 40-140 | | | |
| Indeno(1,2,3-cd)pyrene (SIM) | 35.3 | 2.0 | µg/L | 50.0 | | 70.7 | 40-140 | | | |
| 2-Methylnaphthalene (SIM) | 36.1 | 20 | µg/L | 50.0 | | 72.2 | 40-140 | | | |
| Naphthalene (SIM) | 32.9 | 20 | µg/L | 50.0 | | 65.8 | 40-140 | | | |
| Phenanthrene (SIM) | 34.0 | 1.0 | µg/L | 50.0 | | 68.0 | 40-140 | | | |
| Pyrene (SIM) | 33.3 | 20 | µg/L | 50.0 | | 66.6 | 40-140 | | | |
| Surrogate: Nitrobenzene-d5 | *70.5* | | µg/L | 100 | | 70.5 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *72.8* | | µg/L | 100 | | 72.8 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *95.3* | | µg/L | 100 | | 95.3 | 30-130 | | | |

con-test®
A Pace Analytical® Laboratory

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

**QUALITY CONTROL**

**Semivolatile Organic Compounds by GC/MS - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B298328 - SW-846 3510C** | | | | | | | | | | |
| **LCS Dup (B298328-BSD1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| Acenaphthene (SIM) | 36.5 | 6.0 | µg/L | 50.0 | | 73.0 | 40-140 | 9.22 | 20 | |
| Acenaphthylene (SIM) | 39.3 | 4.0 | µg/L | 50.0 | | 78.7 | 40-140 | 9.31 | 20 | |
| Anthracene (SIM) | 39.4 | 4.0 | µg/L | 50.0 | | 78.7 | 40-140 | 10.4 | 20 | |
| Benzo(a)anthracene (SIM) | 39.6 | 1.0 | µg/L | 50.0 | | 79.2 | 40-140 | 10.5 | 20 | |
| Benzo(a)pyrene (SIM) | 42.6 | 2.0 | µg/L | 50.0 | | 85.2 | 40-140 | 11.8 | 20 | |
| Benzo(b)fluoranthene (SIM) | 43.7 | 1.0 | µg/L | 50.0 | | 87.5 | 40-140 | 10.8 | 20 | |
| Benzo(g,h,i)perylene (SIM) | 41.4 | 10 | µg/L | 50.0 | | 82.7 | 40-140 | 11.8 | 20 | |
| Benzo(k)fluoranthene (SIM) | 44.4 | 4.0 | µg/L | 50.0 | | 88.8 | 40-140 | 11.8 | 20 | |
| Chrysene (SIM) | 38.1 | 4.0 | µg/L | 50.0 | | 76.1 | 40-140 | 10.1 | 20 | |
| Dibenz(a,h)anthracene (SIM) | 40.5 | 2.0 | µg/L | 50.0 | | 81.1 | 40-140 | 12.5 | 20 | |
| Fluoranthene (SIM) | 39.4 | 10 | µg/L | 50.0 | | 78.8 | 40-140 | 11.1 | 20 | |
| Fluorene (SIM) | 39.1 | 20 | µg/L | 50.0 | | 78.1 | 40-140 | 8.93 | 20 | |
| Indeno(1,2,3-cd)pyrene (SIM) | 40.0 | 2.0 | µg/L | 50.0 | | 80.0 | 40-140 | 12.3 | 20 | |
| 2-Methylnaphthalene (SIM) | 39.5 | 20 | µg/L | 50.0 | | 79.0 | 40-140 | 9.00 | 20 | |
| Naphthalene (SIM) | 36.1 | 20 | µg/L | 50.0 | | 72.2 | 40-140 | 9.28 | 20 | |
| Phenanthrene (SIM) | 38.1 | 1.0 | µg/L | 50.0 | | 76.2 | 40-140 | 11.3 | 20 | |
| Pyrene (SIM) | 36.9 | 20 | µg/L | 50.0 | | 73.8 | 40-140 | 10.3 | 20 | |
| Surrogate: Nitrobenzene-d5 | *74.5* | | µg/L | 100 | | 74.5 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *79.9* | | µg/L | 100 | | 79.9 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *104* | | µg/L | 100 | | 104 | 30-130 | | | |

con-test®
A Pace Analytical® Laboratory

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

**QUALITY CONTROL**

**Polychlorinated Biphenyls By GC/ECD - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B298266 - SW-846 3510C** | | | | | | | | | | |
| **Blank (B298266-BLK1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| Aroclor-1016 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1221 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1232 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1242 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1248 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1254 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1260 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1262 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1268 | ND | 0.14 | µg/L | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.14 | µg/L | | | | | | | |
| Surrogate: Decachlorobiphenyl | *2.51* | | µg/L | 2.76 | | 90.9 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *2.56* | | µg/L | 2.76 | | 92.9 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *1.98* | | µg/L | 2.76 | | 71.7 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.94* | | µg/L | 2.76 | | 70.4 | 30-150 | | | |
| **LCS (B298266-BS1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| Aroclor-1016 | 0.64 | 0.14 | µg/L | 0.690 | | 93.1 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.62 | 0.14 | µg/L | 0.690 | | 89.3 | 40-140 | | | |
| Aroclor-1260 | 0.60 | 0.14 | µg/L | 0.690 | | 86.3 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.58 | 0.14 | µg/L | 0.690 | | 84.0 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *2.49* | | µg/L | 2.76 | | 90.3 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *2.54* | | µg/L | 2.76 | | 92.0 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *2.11* | | µg/L | 2.76 | | 76.4 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *2.09* | | µg/L | 2.76 | | 75.6 | 30-150 | | | |
| **LCS Dup (B298266-BSD1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| Aroclor-1016 | 0.64 | 0.14 | µg/L | 0.690 | | 92.8 | 40-140 | 0.370 | 20 | |
| Aroclor-1016 [2C] | 0.61 | 0.14 | µg/L | 0.690 | | 87.9 | 40-140 | 1.54 | 20 | |
| Aroclor-1260 | 0.59 | 0.14 | µg/L | 0.690 | | 85.9 | 40-140 | 0.386 | 20 | |
| Aroclor-1260 [2C] | 0.56 | 0.14 | µg/L | 0.690 | | 81.6 | 40-140 | 2.88 | 20 | |
| Surrogate: Decachlorobiphenyl | *2.42* | | µg/L | 2.76 | | 87.6 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *2.44* | | µg/L | 2.76 | | 88.5 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *2.01* | | µg/L | 2.76 | | 72.8 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.98* | | µg/L | 2.76 | | 71.6 | 30-150 | | | |

con-test®
A Pace Analytical® Laboratory

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

**QUALITY CONTROL**

**Petroleum Hydrocarbons Analyses - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B298260 - SW-846 3510C** | | | | | | | | | | |
| **Blank (B298260-BLK1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| CT ETPH | ND | 0.15 | mg/L | | | | | | | |
| Surrogate: 2-Fluorobiphenyl | *0.0832* | | mg/L | 0.100 | | 83.2 | 50-150 | | | |
| **LCS (B298260-BS1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| CT ETPH | 0.867 | 0.15 | mg/L | 1.00 | | 86.7 | 60-120 | | | |
| Surrogate: 2-Fluorobiphenyl | *0.0799* | | mg/L | 0.100 | | 79.9 | 50-150 | | | |
| **LCS Dup (B298260-BSD1)** | | | | Prepared: 01/04/22 Analyzed: 01/05/22 | | | | | | |
| CT ETPH | 0.893 | 0.15 | mg/L | 1.00 | | 89.3 | 60-120 | 2.95 | 30 | |
| Surrogate: 2-Fluorobiphenyl | *0.0816* | | mg/L | 0.100 | | 81.6 | 50-150 | | | |

con-test®
A Pace Analytical® Laboratory

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

## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

*SW-846 8082A*

**LCS**

Lab Sample ID: B298266-BS1 Date(s) Analyzed: 01/05/2022 01/05/2022

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

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

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| | | | FROM | TO | | |
| Aroclor-1016 | 1 | 0.000 | 0.000 | 0.000 | 0.64 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.62 | 3.2 |
| Aroclor-1260 | 1 | 0.000 | 0.000 | 0.000 | 0.60 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.58 | 3.4 |

con-test®
A Pace Analytical® Laboratory

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

## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

*SW-846 8082A*

**LCS Dup**

Lab Sample ID: B298266-BSD1 Date(s) Analyzed: 01/05/2022 01/05/2022

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

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

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| | | | FROM | TO | | |
| Aroclor-1016 | 1 | 0.000 | 0.000 | 0.000 | 0.64 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.61 | 4.8 |
| Aroclor-1260 | 1 | 0.000 | 0.000 | 0.000 | 0.59 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.56 | 5.2 |

con-test®
A Pace 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-03 | Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side. |
| 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. |

con-test®
A Pace Analytical® Laboratory

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

**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***CTDEP ETPH in Water*** | |
| CT ETPH | CT |
| ***SW-846 8082A in Water*** | |
| Aroclor-1016 | CT,NH,NY,NC,ME,VA |
| Aroclor-1016 [2C] | CT,NH,NY,NC,ME,VA |
| Aroclor-1221 | CT,NH,NY,NC,ME,VA |
| Aroclor-1221 [2C] | CT,NH,NY,NC,ME,VA |
| Aroclor-1232 | CT,NH,NY,NC,ME,VA |
| Aroclor-1232 [2C] | CT,NH,NY,NC,ME,VA |
| Aroclor-1242 | CT,NH,NY,NC,ME,VA |
| Aroclor-1242 [2C] | CT,NH,NY,NC,ME,VA |
| Aroclor-1248 | CT,NH,NY,NC,ME,VA |
| Aroclor-1248 [2C] | CT,NH,NY,NC,ME,VA |
| Aroclor-1254 | CT,NH,NY,NC,ME,VA |
| Aroclor-1254 [2C] | CT,NH,NY,NC,ME,VA |
| Aroclor-1260 | CT,NH,NY,NC,ME,VA |
| Aroclor-1260 [2C] | CT,NH,NY,NC,ME,VA |
| Aroclor-1262 | NH,NY,NC,ME,VA |
| Aroclor-1262 [2C] | NH,NY,NC,ME,VA |
| Aroclor-1268 | NH,NY,NC,ME,VA |
| Aroclor-1268 [2C] | NH,NY,NC,ME,VA |
| ***SW-846 8260D in Water*** | |
| Acetone | CT,NH,NY,ME |
| Acrylonitrile | CT,NY,ME |
| Benzene | CT,NH,NY,ME |
| Bromobenzene | NY |
| Bromodichloromethane | CT,NH,NY,ME |
| Bromoform | CT,NH,NY,ME |
| Bromomethane | CT,NH,NY,ME |
| 2-Butanone (MEK) | CT,NH,NY,ME |
| n-Butylbenzene | NY,ME |
| sec-Butylbenzene | NY,ME |
| tert-Butylbenzene | NY,ME |
| Carbon Disulfide | CT,NH,NY,ME |
| Carbon Tetrachloride | CT,NH,NY,ME |
| Chlorobenzene | CT,NH,NY,ME |
| Chlorodibromomethane | CT,NH,NY,ME |
| Chloroethane | CT,NH,NY,ME |
| Chloroform | CT,NH,NY,ME |
| Chloromethane | CT,NH,NY,ME |
| 2-Chlorotoluene | NY,ME |
| 4-Chlorotoluene | NY,ME |
| 1,2-Dibromo-3-chloropropane (DBCP) | NY |
| 1,2-Dibromoethane (EDB) | NY |
| Dibromomethane | NH,NY,ME |
| 1,2-Dichlorobenzene | CT,NY,ME |
| 1,3-Dichlorobenzene | CT,NH,NY,ME |

con-test®
A Pace Analytical® Laboratory

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

**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8260D in Water*** | |
| 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 |
| 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 |




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

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

| Code | Description | Number | Expires |
|---|---|---|---|
| AIHA | AIHA-LAP, LLC - ISO17025:2017 | 100033 | 03/1/2024 |
| 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 | LAO00373 | 12/30/2022 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2022 |
| 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 | 12/14/2022 |
| NH-P | New Hampshire Environmental Lab | 2557 NELAP | 09/6/2022 |
| VT-DW | Vermont Department of Health Drinking Water | VT-255716 | 06/12/2022 |
| NC-DW | North Carolina Department of Health | 25703 | 07/31/2022 |
| PA | Commonwealth of Pennsylvania DEP | 68-05812 | 06/30/2022 |
| MI | Dept. of Env, Great Lakes, and Energy | 9100 | 09/6/2022 |

con-test ANALYTICAL LABORATORY
21L1949

Phone: 413-525-2332
Fax: 413-525-6405
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: | Laura Yellen |
| Con-Test Bid: | n/a |
| Invoice Recipient: | Eversource (Drew Blicharz) |
| 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 | VPH (HOLD) | EPH (Extract + Hold) | PCBs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CCA-3 | 12/28/21 | 900 | | X | GW | U | | X | | | | |
| 2 | MW-6 | | 950 | | | | | | | X | | | |
| 3 | MW-102 | | 1030 | | | | | X | | X | | | |
| 4 | MW-101 | | 1120 | | | | | | | X | X | X | |
| 5 | MW-400 | | 1300 | | | | | | | X | | | X |
| 6 | MW-401 | | 1215 | | | | | | | X | | | X |
| 7 | Dup-1 | | — | | | | | | | X | | | X |
| 8 | Trip BLANK | ↓ | — | | | | | X | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

ANALYSIS REQUESTED

| | 3 | 2 | 2 |
|---|---|---|---|
| | H | I | I |
| | V | A | A |

[1] # of Containers
[2] Preservation Code
[3] Container Code

**Dissolved Metals Samples**
O Field Filtered
O Lab to Filter

**Orthophosphate Samples**
O Field Filtered
O Lab to Filter

**Comments:** (1) Please bill Eversource directly - Send invoice and results to drew.blicharz@eversource.com

Extract + HOLD EPH SAMPLE - HOLD VPH SAMPLE

*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**

[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
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

| | |
|---|---|
| Relinquished by: (signature) | Date/Time: 12/29/21 |
| Received by: (signature) 1408 | Date/Time: 12-29-2021 |
| Relinquished by: (signature) 15:30 | Date/Time: 12-29-2021 |
| Received by: (signature) | Date/Time: |
| 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.



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** CLIENT

**Received By** _____ Date 12/29/21 Time 1530

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 # 5 Actual Temp - 2.0
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 N/a Base N/a

| Vials | # | Containers: | # | | # | | # |
|---|---|---|---|---|---|---|---|
| Unp- | | 1 Liter Amb. | 14 | 1 Liter Plastic | | 16 oz Amb. | |
| HCL- | 6 | 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 | 6 | 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\B010522\B22F005006.D

## CT ETPH Discrimination Check

Data File Name B22F005006.D
Data File Path C:\MSDChem\2\DATA\B010522\
Operator RDD
Date Acquired 1/5/1922 9:38
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

| Name | Ret Time | Target Response | Average Response | *%D+/-20 |
|---|---|---|---|---|
| n-Nonane | 1.65 | 8225041 | 9278742 | 11 |
| n-Decane | 2.28 | 8545250 | 9278742 | 8 |
| n-Dodecane | 3.22 | 8764868 | 9278742 | 6 |
| n-Tetradecane | 3.94 | 9152922 | 9278742 | 1 |
| n-Hexadecane | 4.56 | 9306392 | 9278742 | 0 |
| n-Octadecane | 5.11 | 9755303 | 9278742 | -5 |
| n-Eicosane | 5.72 | 9432713 | 9278742 | -2 |
| n-Docosane | 6.47 | 9438806 | 9278742 | -2 |
| n-Tetracosane | 7.31 | 9540415 | 9278742 | -3 |
| n-Hexacosane | 8.11 | 9534098 | 9278742 | -3 |
| n-Octacosane | 8.85 | 9560217 | 9278742 | -3 |
| n-Triacontane | 9.54 | 9537616 | 9278742 | -3 |
| n-Dotriacontane | 10.18 | 9447102 | 9278742 | -2 |
| n-Tetratriacontane | 10.78 | 9538014 | 9278742 | -3 |
| n-Hexatriacontane | 11.38 | 9402368 | 9278742 | -1 |

**Samples**
21L1949-03
21L1949-07
21L1949-02

*One compound allowed %D</=50

C:\MSDCHEM\2\DATA\B010522.SEC\B22F005007.D

## CT ETPH Discrimination Check

Data File Name B22F005007.D
Data File Path C:\MSDCHEM\2\DATA\B010522.SEC\
Operator RDD
Date Acquired 1/5/1922 9:59
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

| Name | Ret Time | Target Response | Average Response | *%D+/-20 |
|---|---|---|---|---|
| n-Nonane | 1.64 | 7515975 | 8329198 | 10 |
| n-Decane | 2.28 | 7790005 | 8329198 | 6 |
| n-Dodecane | 3.22 | 7954853 | 8329198 | 4 |
| n-Tetradecane | 3.94 | 8181239 | 8329198 | 2 |
| n-Hexadecane | 4.55 | 8350585 | 8329198 | 0 |
| n-Octadecane | 5.09 | 8738023 | 8329198 | -5 |
| n-Eicosane | 5.69 | 8477929 | 8329198 | -2 |
| n-Docosane | 6.43 | 8478953 | 8329198 | -2 |
| n-Tetracosane | 7.26 | 8560968 | 8329198 | -3 |
| n-Hexacosane | 8.07 | 8571277 | 8329198 | -3 |
| n-Octacosane | 8.81 | 8628440 | 8329198 | -4 |
| n-Triacontane | 9.49 | 8600491 | 8329198 | -3 |
| n-Dotriacontane | 10.12 | 8504056 | 8329198 | -2 |
| n-Tetratriacontane | 10.71 | 8511105 | 8329198 | -2 |
| n-Hexatriacontane | 11.29 | 8074067 | 8329198 | 3 |

**Samples**
21L1949-05
21L1949-04
21L1949-06

*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:*** 21L1949

***Laboratory Sample ID(s):***
21L1949-01 thru 21L1949-08

***Sample Date(s):***
12/28/2021

*List RCP Methods Used:*

CTDEP ETPH, SW-846 8082A, SW-846 8260D, SW-846 8270E

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

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

Lisa A. Worthington

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

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

**Printed Name:** **Lisa A. Worthington** **Date:** **01/10/22**

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

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

con-test®
A Pace Analytical® Laboratory

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

February 24, 2022

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

Project Location: Simsbury, CT
Client Job Number:
Project Number: 2180209
Laboratory Work Order Number: 22A0069

Enclosed are results of analyses for samples as received by the laboratory on January 4, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

# Table of Contents

Sample Summary 3

Case Narrative 4

Sample Results 5

22A0069-01 5

22A0069-02 7

Sample Preparation Information 9

QC Data 10

Polychlorinated Biphenyls By GC/ECD 10

B298478 10

Petroleum Hydrocarbons Analyses 11

B298332 11

Dual Column RPD Report 12

Flag/Qualifier Summary 14

Certifications 15

Chain of Custody/Sample Receipt 16

con-test®
A Pace Analytical® Laboratory

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

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

REPORT DATE: 2/24/2022

PURCHASE ORDER NUMBER: 11003487

PROJECT NUMBER: 2180209

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 22A0069

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-402 | 22A0069-01 | Ground Water | | CTDEP ETPH<br>SW-846 8082A | |
| MW-403 | 22A0069-02 | Ground Water | | CTDEP ETPH<br>SW-846 8082A | |

con-test®
A Pace Analytical® Laboratory

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

**CASE NARRATIVE SUMMARY**

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

REVISED REPORT - 2/9/22 - Project location updated as per COC.

**SW-846 8082A**

**Qualifications:**

**R-05**

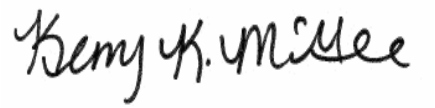
Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

**Analyte & Samples(s) Qualified:**

**Aroclor-1016 [2C]**

22A0069-01[MW-402], 22A0069-02[MW-403], B298478-BLK1, B298478-BS1, B298478-BSD1

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.



Kerry K. McGee
Project Manager

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 22A0069

Date Received: 1/4/2022

**Field Sample #: MW-402** | Sampled: 1/4/2022 09:05

**Sample ID: 22A0069-01**

Sample Matrix: Ground Water

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1221 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1232 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1242 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1248 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1254 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1260 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1262 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |
| Aroclor-1268 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:33 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 65.6 | 30-150 | | 1/10/22 18:33 |
| Decachlorobiphenyl [2] | 59.6 | 30-150 | | 1/10/22 18:33 |
| Tetrachloro-m-xylene [1] | 53.5 | 30-150 | | 1/10/22 18:33 |
| Tetrachloro-m-xylene [2] | 46.3 | 30-150 | | 1/10/22 18:33 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 22A0069

Date Received: 1/4/2022

**Field Sample #: MW-402** | Sampled: 1/4/2022 09:05

**Sample ID: 22A0069-01**

Sample Matrix: Ground Water

**Petroleum Hydrocarbons Analyses**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| CT ETPH | ND | 0.15 | mg/L | 1 | | CTDEP ETPH | 1/5/22 | 1/7/22 13:48 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 70.4 | 50-150 | | 1/7/22 13:48 |

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 22A0069

Date Received: 1/4/2022

**Field Sample #: MW-403** | Sampled: 1/4/2022 11:10

**Sample ID: 22A0069-02**

Sample Matrix: Ground Water

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1221 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1232 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1242 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1248 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1254 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1260 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1262 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |
| Aroclor-1268 [1] | ND | 0.19 | µg/L | 1 | | SW-846 8082A | 1/7/22 | 1/10/22 18:50 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 61.6 | 30-150 | | 1/10/22 18:50 |
| Decachlorobiphenyl [2] | 56.4 | 30-150 | | 1/10/22 18:50 |
| Tetrachloro-m-xylene [1] | 61.1 | 30-150 | | 1/10/22 18:50 |
| Tetrachloro-m-xylene [2] | 53.0 | 30-150 | | 1/10/22 18:50 |

con-test®
A Pace Analytical® Laboratory

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

Project Location: Simsbury, CT | Sample Description: | Work Order: 22A0069

Date Received: 1/4/2022

**Field Sample #: MW-403** | Sampled: 1/4/2022 11:10

**Sample ID: 22A0069-02**

Sample Matrix: Ground Water

**Petroleum Hydrocarbons Analyses**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| CT ETPH | 0.16 | 0.15 | mg/L | 1 | | CTDEP ETPH | 1/5/22 | 1/7/22 13:28 | RDD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 2-Fluorobiphenyl | 62.2 | 50-150 | | 1/7/22 13:28 |

con-test®
A Pace Analytical® Laboratory

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

**Sample Extraction Data**

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 22A0069-01 [MW-402] | B298332 | 1020 | 1.00 | 01/05/22 |
| 22A0069-02 [MW-403] | B298332 | 1020 | 1.00 | 01/05/22 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 22A0069-01 [MW-402] | B298478 | 1060 | 10.0 | 01/07/22 |
| 22A0069-02 [MW-403] | B298478 | 1040 | 10.0 | 01/07/22 |

con-test®
A Pace Analytical® Laboratory

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

**QUALITY CONTROL**

**Polychlorinated Biphenyls By GC/ECD - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B298478 - SW-846 3510C** | | | | | | | | | | | |
| **Blank (B298478-BLK1)** | | | | Prepared: 01/07/22 Analyzed: 01/10/22 | | | | | | | |
| Aroclor-1016 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.20 | µg/L | | | | | | | | R-05 |
| Aroclor-1221 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1232 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1242 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1248 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1254 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1260 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1262 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1268 | ND | 0.20 | µg/L | | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.20 | µg/L | | | | | | | | |
| Surrogate: Decachlorobiphenyl | *1.46* | | µg/L | 2.00 | | 73.0 | 30-150 | | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.33* | | µg/L | 2.00 | | 66.3 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | *1.49* | | µg/L | 2.00 | | 74.4 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.25* | | µg/L | 2.00 | | 62.5 | 30-150 | | | | |
| **LCS (B298478-BS1)** | | | | Prepared: 01/07/22 Analyzed: 01/10/22 | | | | | | | |
| Aroclor-1016 | 0.45 | 0.20 | µg/L | 0.500 | | 90.8 | 40-140 | | | | |
| Aroclor-1016 [2C] | 0.38 | 0.20 | µg/L | 0.500 | | 75.6 | 40-140 | | | | R-05 |
| Aroclor-1260 | 0.43 | 0.20 | µg/L | 0.500 | | 86.6 | 40-140 | | | | |
| Aroclor-1260 [2C] | 0.36 | 0.20 | µg/L | 0.500 | | 72.2 | 40-140 | | | | |
| Surrogate: Decachlorobiphenyl | *1.55* | | µg/L | 2.00 | | 77.6 | 30-150 | | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.40* | | µg/L | 2.00 | | 70.1 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | *1.64* | | µg/L | 2.00 | | 82.1 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.38* | | µg/L | 2.00 | | 69.1 | 30-150 | | | | |
| **LCS Dup (B298478-BSD1)** | | | | Prepared: 01/07/22 Analyzed: 01/10/22 | | | | | | | |
| Aroclor-1016 | 0.42 | 0.20 | µg/L | 0.500 | | 83.4 | 40-140 | 8.49 | | 20 | |
| Aroclor-1016 [2C] | 0.31 | 0.20 | µg/L | 0.500 | | 61.8 | 40-140 | **20.2** | * | 20 | R-05 |
| Aroclor-1260 | 0.38 | 0.20 | µg/L | 0.500 | | 76.5 | 40-140 | 12.4 | | 20 | |
| Aroclor-1260 [2C] | 0.30 | 0.20 | µg/L | 0.500 | | 60.7 | 40-140 | 17.4 | | 20 | |
| Surrogate: Decachlorobiphenyl | *1.04* | | µg/L | 2.00 | | 51.8 | 30-150 | | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.903* | | µg/L | 2.00 | | 45.2 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | *1.48* | | µg/L | 2.00 | | 74.0 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.20* | | µg/L | 2.00 | | 59.9 | 30-150 | | | | |

con-test®
A Pace Analytical® Laboratory

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

**QUALITY CONTROL**

**Petroleum Hydrocarbons Analyses - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B298332 - SW-846 3510C** | | | | | | | | | | |
| **Blank (B298332-BLK1)** | | | | Prepared: 01/05/22 Analyzed: 01/06/22 | | | | | | |
| CT ETPH | ND | 0.15 | mg/L | | | | | | | |
| Surrogate: 2-Fluorobiphenyl | *0.0622* | | mg/L | 0.100 | | 62.2 | 50-150 | | | |
| **LCS (B298332-BS1)** | | | | Prepared: 01/05/22 Analyzed: 01/06/22 | | | | | | |
| CT ETPH | 0.849 | 0.15 | mg/L | 1.00 | | 84.9 | 60-120 | | | |
| Surrogate: 2-Fluorobiphenyl | *0.0867* | | mg/L | 0.100 | | 86.7 | 50-150 | | | |
| **LCS Dup (B298332-BSD1)** | | | | Prepared: 01/05/22 Analyzed: 01/06/22 | | | | | | |
| CT ETPH | 0.743 | 0.15 | mg/L | 1.00 | | 74.3 | 60-120 | 13.2 | 30 | |
| Surrogate: 2-Fluorobiphenyl | *0.0665* | | mg/L | 0.100 | | 66.5 | 50-150 | | | |

con-test®
A Pace Analytical® Laboratory

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

## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

*SW-846 8082A*

**LCS**

Lab Sample ID: B298478-BS1 Date(s) Analyzed: 01/10/2022 01/10/2022

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

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

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| | | | FROM | TO | | |
| Aroclor-1016 | 1 | 0.000 | 0.000 | 0.000 | 0.45 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.38 | 16.9 |
| Aroclor-1260 | 1 | 0.000 | 0.000 | 0.000 | 0.43 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.36 | 17.7 |

con-test®
A Pace Analytical® Laboratory

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

## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

*SW-846 8082A*

**LCS Dup**

Lab Sample ID: B298478-BSD1 Date(s) Analyzed: 01/10/2022 01/10/2022

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

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

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| | | | FROM | TO | | |
| Aroclor-1016 | 1 | 0.000 | 0.000 | 0.000 | 0.42 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.31 | 30.1 |
| Aroclor-1260 | 1 | 0.000 | 0.000 | 0.000 | 0.38 | |
| | 2 | 0.000 | 0.000 | 0.000 | 0.30 | 23.5 |

con-test®
A Pace 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. |
| R-05 | Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. |

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

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

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

| Code | Description | Number | Expires |
|---|---|---|---|
| AIHA | AIHA-LAP, LLC - ISO17025:2017 | 100033 | 03/1/2024 |
| 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 | 02/5/2023 |
| RI | Rhode Island Department of Health | LAO00373 | 12/30/2022 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2022 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2022 |
| 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 | 12/14/2022 |
| NH-P | New Hampshire Environmental Lab | 2557 NELAP | 09/6/2022 |
| VT-DW | Vermont Department of Health Drinking Water | VT-255716 | 06/12/2022 |
| NC-DW | North Carolina Department of Health | 25703 | 07/31/2022 |
| PA | Commonwealth of Pennsylvania DEP | 68-05812 | 06/30/2022 |
| MI | Dept. of Env, Great Lakes, and Energy | 9100 | 09/6/2022 |

22A0069

Pace Analytical®

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

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name: Weston + Sampson
Address: 712 Brook St
Phone: Rocky Hill, CT
Project Name: Eversource - Simsbury AW
Project Location: Simsbury, CT
Project Number:
Project Manager: Laura Yellen
Pace Quote Name/Number:
Invoice Recipient: "
Sampled By: Meghan Shanahan

**Requested Turnaround Time**
7-Day [X] 10-Day [ ]
PFAS 10-Day (std) [ ] Due Date:

**Rush Approval Required**
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

**Data Delivery**
Format: PDF [X] EXCEL [X]
Other:
CLP Like Data Pkg Required: [ ]
Email To:
Fax To #:

**Dissolved Metals Samples**
○ Field Filtered
○ Lab to Filter

**Orthophosphate Samples**
○ Field Filtered
○ Lab to Filter

**PCB ONLY**
SOXHLET [X]
NON SOXHLET [ ]

ANALYSIS REQUESTED

| Pace Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | COMP/GRAB | [1]Matrix Code | Conc Code | VIALS | GLASS | PLASTIC | BACTERIA | ENCORE | ETPH | PCBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-402 1/4/22 | | 0905 | GRAB | GW | U | | 3 | | | | X | X |
| 2 | MW-403 1/4/22 | | 1110 | GRAB | GW | U | | 3 | | | | X | X |

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

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

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

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

| Relinquished by: (signature) | Date/Time: |
|---|---|
| [signature] 1/4/2022 | 1245 |
| Received by: (signature) [signature] 1/4/22 | Date/Time: 1245 |
| Relinquished by: (signature) | Date/Time: |
| Received by: (signature) [signature] 1-4-22 | Date/Time: 14:09 |
| Relinquished by: (signature) [signature] 1-4-22 | Date/Time: 15:30 |
| Received by: (signature) [signature] 2.0 | Date/Time: 1530 1-4 |
| Relinquished by: (signature) | Date/Time: |
| Received by: (signature) | Date/Time: |

Client Comments:
PO # 11003487

**Detection Limit Requirements**
MA
CT
Other

**Special Requirements**
[ ] MA MCP Required
MCP Certification Form Required
[X] CT RCP Required
RCP Certification Form Required
[ ] MA State DW Required
PWSID #

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

NELAC and AIHA-LAP, LLC Accredited

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

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

Lab Comments:

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



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** W+S

**Received By** JR Date 1-4-22 Time 1530

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 # 5 Actual Temp - 2.0

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

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

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

| Vials | # | Containers: | # | | # | | # |
|---|---|---|---|---|---|---|---|
| Unp- | | 1 Liter Amb. | 6 | 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- | | 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\B010722.SEC\B22F007007.D

## CT ETPH Discrimination Check

Data File Name B22F007007.D
Data File Path C:\MSDCHEM\2\DATA\B010722.SEC\
Operator RDD
Date Acquired 1/7/1922 11:22
Acq. Method File EPH04.M
Sample Name ETPH 1500
Instrument Name GCFID2

| Name | Ret Time | Target Response | Average Response | *%D+/-20 |
|---|---|---|---|---|
| n-Nonane | 1.64 | 7610011 | 8399587 | 9 |
| n-Decane | 2.28 | 7994210 | 8399587 | 5 |
| n-Dodecane | 3.22 | 8150102 | 8399587 | 3 |
| n-Tetradecane | 3.93 | 8373482 | 8399587 | 0 |
| n-Hexadecane | 4.55 | 8539423 | 8399587 | -2 |
| n-Octadecane | 5.09 | 8967317 | 8399587 | -7 |
| n-Eicosane | 5.69 | 8627297 | 8399587 | -3 |
| n-Docosane | 6.43 | 8680030 | 8399587 | -3 |
| n-Tetracosane | 7.26 | 8763891 | 8399587 | -4 |
| n-Hexacosane | 8.07 | 8728517 | 8399587 | -4 |
| n-Octacosane | 8.81 | 8766458 | 8399587 | -4 |
| n-Triacontane | 9.49 | 8699971 | 8399587 | -4 |
| n-Dotriacontane | 10.12 | 8540655 | 8399587 | -2 |
| n-Tetratriacontane | 10.71 | 8287163 | 8399587 | 1 |
| n-Hexatriacontane | 11.29 | 7265279 | 8399587 | 14 |

**Samples**
22A0069-02
22A0069-01
21L1991-01@4X

*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:*** Bridgeport, CT

***Project Number:*** 22A0069

***Laboratory Sample ID(s):***

22A0069-01 thru 22A0069-02

***Sample Date(s):***

01/04/2022

*List RCP Methods Used:*

CTDEP ETPH, SW-846 8082A

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

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

Lisa A. Worthington

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

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

**Printed Name:** **Lisa A. Worthington** **Date:** **01/12/22**

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

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