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DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
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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:

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- 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*: 3688 | Spill Case Number: (if known) |

**Part II: Site Information**

Site Name*: Former Enfield CI&P Area Work Center
Site Address*: 1654 King Street
City/Town*: Enfield State: CT Zip Code: 06082

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

| | |
|---|---|
| Program: Select a Program | Project ID: |
| Program: Select a Program | Project ID: |
| Program: Select a Program | Project ID: |
| Program: Select a 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*: Annual Report
LUST*:
Date of Document*: 1/24/2021 Version: Final

**Part IV: Submitter Information**

Name*: Don Wilson
E-mail*: dwilson@apexcos.com
Name of company/business this document is being submitted on behalf of: *
Eversource Energy

VIA CERTIFIED MAIL

January 24, 2022

Mr. Jan Michael Czeczotka
Connecticut Department of Energy and Environmental Protection
Bureau of Water Protection and Land Reuse
Remediation Division
North Central District
79 Elm Street
Hartford, CT 06106-5127

RE: Annual Status Report (January through December 2021)
REMID #3688
Former CL&P Area Work Center
1654 King Street
Enfield, Connecticut

Dear Mr. Czeczotka:

This Annual Status Report has been prepared by Apex Companies, LLC (Apex), on behalf of Eversource Energy (Eversource), for the former Connecticut Light & Power Company (CL&P) Area Work Center (AWC) located at 1654 King Street in Enfield, Connecticut (the "Site"). This Annual Status Report covers the period between January and December 2021.

Should you have any questions regarding the information presented, please contact the undersigned at (860) 282-1700.

Sincerely,

APEX COMPANIES, LLC

David B. Sherman, LEP
Program Manager

Attachments
ecc: Mr. Jonathan Reich, Eversource Energy
ecc: Mr. John Petronella, Enfield Builders

# 2021 ANNUAL STATUS REPORT

**Former CL&P Area Work Center**
**1654 King Street**
**Enfield, Connecticut**

**CTDEEP Remediation ID: 3688**

January 2022

Apex Project No.: 6089-012

Prepared for:

Eversource Energy
247 Station Drive
Westwood, MA 02090

Prepared by:

Apex Companies, LLC
58H Connecticut Avenue
South Windsor, CT 06074-3452

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## 1.0 INTRODUCTION

This Annual Status Report has been prepared by Apex Companies, LLC (Apex), on behalf of Eversource Energy (Eversource), for the former Connecticut Light & Power Company (CL&P) Area Work Center (AWC) located at 1654 King Street in Enfield, Connecticut (the "Site"). The Site is currently owned by JFP Realty, Inc., having been sold (quit claim transfer) to JFP Realty, Inc. by Joseph F. Petronella on September 11, 2000. The property had been sold to Joseph F. Petronella by CL&P on December 31, 1997. CL&P remains the certifying party for the December 31, 1997 transfer pursuant to the Connecticut Transfer Act (CGS §22a-134).

The Site was used as an AWC by CL&P from 1944 to 1995. Site features included office buildings for accounting and support services, line crews, transformer repairs and storage, vehicle fueling, and maintenance facilities for company vehicles. The CL&P AWC included the following historical structures and Site areas:

- Service building - located on the southern portion of the property;
- Garage building - located approximately 150 feet north of the service building;
- Covered truck parking structure - approximately 300 feet long located approximately 150 feet northwest of the service building and approximately 100 feet northwest of the garage building, with an associated small building (shown as "Annex III" on some maps), loading dock(s), and transformer storage area;
- Second transformer storage area - located several hundred feet north of the covered truck parking structure;
- A former remediation shed - located several hundred feet northwest of the covered truck parking structure;
- Former gasoline dispenser - located within approximately 50 feet (southwest) of the garage;
- Paved area - located southeast of the service building;
- Paved area - located northeast of the service building and extending to a larger paved area to the northeast of the garage; and
- An extensive gravel storage area - located in the northern section of the property.

Records indicate that a Form III was submitted to the Connecticut Department of Energy & Environmental Protection (CTDEEP) in 1989 as a result of the transfer of the CL&P property. Since 1989, various subsurface investigations and assessments have been completed at the Site, and a groundwater remediation system was active from 1990 to 2003. The remediation system was installed in response to a gasoline release from the underground storage tanks (USTs) formerly located immediately southwest of the garage.

In January 1998, another Form III and an Environmental Condition Assessment Form (ECAF) were submitted to the CTDEEP Property Transfer Program for the December 1997 transfer of the property.

The 1998 ECAF indicated that the groundwater classification for the Site as GA, and that the Site is not within the zone of contribution of a public water supply well, that public water is available to the Site, and that public water is available to any developed area surrounding the Site. In addition, the 1998 ECAF also referenced the nearest down-gradient surface water body as the Connecticut River, located approximately 2,600 feet west of the subject Site, with a surface water classification of C/B. As documented in the 2006 Annual Status Report,

groundwater reclassification from GA to GB was granted to Eversource Energy (previously Northeast Utilities Services Company (NUSCO)) by the CTDEEP on October 9, 2003.

Previous Site assessment, remediation and public notice activities were summarized in the following reports prepared by Apex that have previously been submitted to CTDEEP:

- "Supplemental Phase II/Limited Phase III Report" dated January 23, 2008;
- "Phase III Site Investigation Report" dated January 15, 2009;
- "Remedial Action Plan" dated February 19, 2009;
- "Annual Groundwater Monitoring and Soil Remedial Action Report" dated January 2010;
- "Annual Groundwater Monitoring Report" dated January 2011;
- "Annual Status Report" dated January 2012;
- "Annual Status Report and Remedial Action Plan Addendum" dated January 2013;
- "2013 Annual Status & Remediation Summary Report" dated January 2014;
- "2014 Annual Status Report" dated January 2015;
- "2015 Annual Status Report" dated January 2016;
- "2016 Annual Status Report" dated January 2017;
- "2017 Annual Status Report" dated January 2018;
- "2018 Annual Status Report" dated January 2019; and
- "2019 Annual Status Report" dated January 2020.

A Site Location Map is presented as **Figure 1**, and a Site Plan is included as **Figure 2**.

## 2.0 SITE ACTIVITIES

Site investigation activities conducted during 2021 were limited to two groundwater monitoring events and the repair and replacement of one monitoring well road box. Results of the groundwater monitoring activities are detailed in subsequent sections.

### 2.1 Groundwater Monitoring

On May 12 and 13, 20212 and August 19 and 20, 2021, groundwater samples were collected from six (6) Site groundwater monitoring wells (MW-9, MW-12, MW-13, RW-3, RW-4 and RW-5) at the Site. Prior to sampling, each monitoring well was gauged to determine the thickness of the saturated zone in each well. In addition, each well was gauged with an interface probe (IP) for the potential presence of any light or dense non-aqueous phase liquid (LNAPL/DNAPL). Measurable LNAPL/DNAPL was not observed in monitoring wells during the 2021 groundwater monitoring events. Monitoring well locations are shown on the attached Site Plan included as **Figure 2**. Based on historic and current gauging data, the horizontal groundwater flow within the underlying overburden aquifer is generally to the west. A Groundwater Flow Direction Map is provided as **Figure 3**.

Apex personnel performed low-flow sampling of the Site monitoring wells in accordance with the U.S. Environmental Protection Agency's (EPA's) *"Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells"*. The collected groundwater samples were contained in laboratory-provided glassware and submitted to Con-Test a Pace Analytical Laboratory of East Longmeadow, MA (Con-Test) a Connecticut certified laboratory, for analysis in accordance with one or more of the following analytical methods based on historic groundwater analytical results:

- Volatile organic compounds (VOCs) in accordance with EPA Method 8260;
- Polynuclear aromatic hydrocarbons (PAHs) in accordance with EPA Method 8270; and
- Total Remediation Standard Regulations (RSR) Metals in accordance with EPA Methods 6010/7470.

Well Sampling Logs documenting well purging and monitoring activities are included as **Appendix A**. Please note, due to a field communication issue, two samples (MW-12 and MW-13) from the May 2021 were field filtered for metals.

### *2.1.1 Data Quality Objectives and Reasonable Confidence Protocols*

Laboratory analyses performed during the 2021 groundwater monitoring event were conducted in general accordance with the Laboratory Quality Assurance and Quality Control Guidance – Reasonable Confidence Protocols (RCP) (CTDEEP, July 2007). The analytical results were subsequently evaluated in accordance with the Laboratory Quality Assurance and Quality Control – Data Quality Assessment and Data Usability Evaluation Guidance Document (CTDEEP, November 2008).

Non-conformances for the submitted samples and/or laboratory QA/QC samples related to Site compound of concerns were noted and included the following:

- Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for select compounds;
- Response factor is less than method specified minimum acceptable values. Reduced precision and accuracy may be associated with select reported results;
- Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for select compounds; and
- Compounds classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Case narratives and information relating to non-conformances are detailed in the attached laboratory analytical reports included as **Appendix B**. Based on DQA/DUE pertaining to the laboratory non-conformances detailed above, the data is deemed usable for its intended purpose of monitoring and evaluating general Site groundwater quality.

### *2.1.2 Groundwater Analytical Results*

Laboratory analytical results indicated that select VOCs were present in groundwater samples collected during the two monitoring events. 1,1-Dichloroethane was detected at RW-3 at concentrations of 1.0 micrograms per liter (ug/L) during the May 2021 monitoring event and 0.74 ug/L during the August 2021 monitoring event. PCE was also detected at RW-5 at concentrations of 1.0 ug/L during the May 2021 monitoring event and 1.9 ug/L during the August 2021 monitoring event.

All concentrations of VOCs detected were below applicable RSR criteria.

Laboratory analytical results indicate that no PAHs were detected above laboratory reporting limits in any of the wells sampled during the May and August sampling events.

Select total RSR metals (antimony, arsenic, barium, cadmium, chromium, copper, lead and zinc) were detected above laboratory reporting limits. Of the detected metals, arsenic was reported above the SWPC (0.004 ug/L) at MW-12 during the August (0.0049 ug/L) monitoring event and at MW-13 during both the May (0.010 ug/L) and August (0.014 ug/L) sampling events. In addition, copper was also detected at a concentration of 0.088 ug/L at RW-4 during the May sampling event exceeding the SWPC of 0.048 ug/L. The remaining detected metal concentrations were found not to exceed any of the other applicable RSR Criteria.

Historical Groundwater Monitoring Data for the sampled wells is presented as **Table 1**. Copies of the laboratory analytical reports are included in **Appendix B**.

### 2.2 Groundwater Monitoring Well Repair

During the May 2021 sampling event, field staff noted that the road box for MW-11 was destroyed and in need of repair. Following completion of the August 2021 sampling event, Apex removed the damaged road box and re-installed a new 8" road box around MW-11.

## 3.0 SUMMARY

Groundwater results from the most recent sampling events completed in May and August 2021 revealed no detected concentrations of VOCs or PAH above the applicable RSR Criteria. Two metals, arsenic and copper were detected above the SWPC in the samples collected from well MW-12, MW-13 and RW-4. Overall, groundwater conditions at the Site remain relatively stable with some indications of decreasing groundwater concentrations.

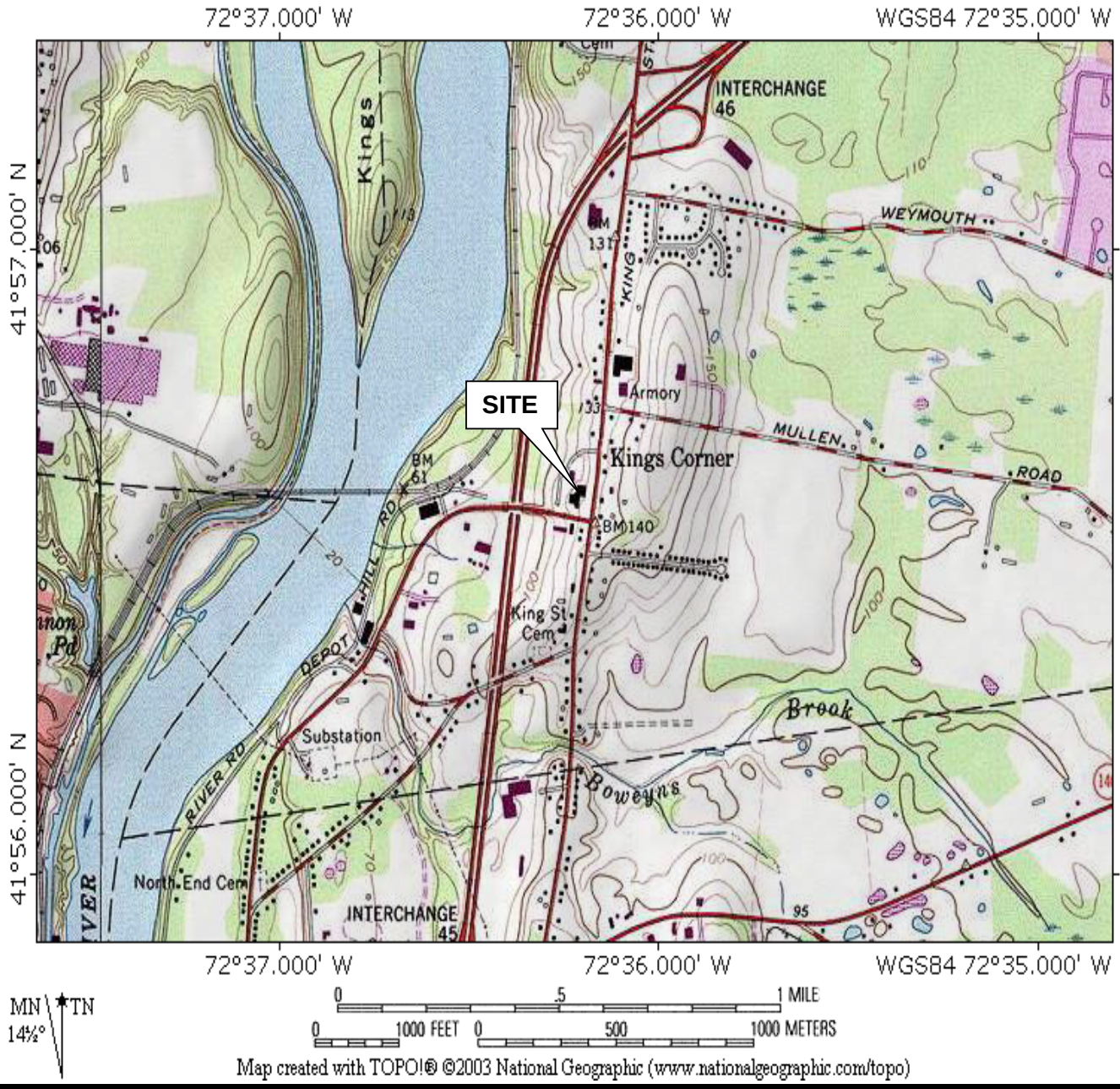
Based on the assessment and remedial actions conducted to date at the Site, future groundwater monitoring activities will be conducted on an every-other year frequency to evaluate groundwater quality within and downgradient of the fill area west of the loading dock. The results of the monitoring will be summarized within the context of an annual Status Report which will be submitted to the CTDEEP on, or before, January 31st on an every-other year basis until a Site Verification can be achieved.



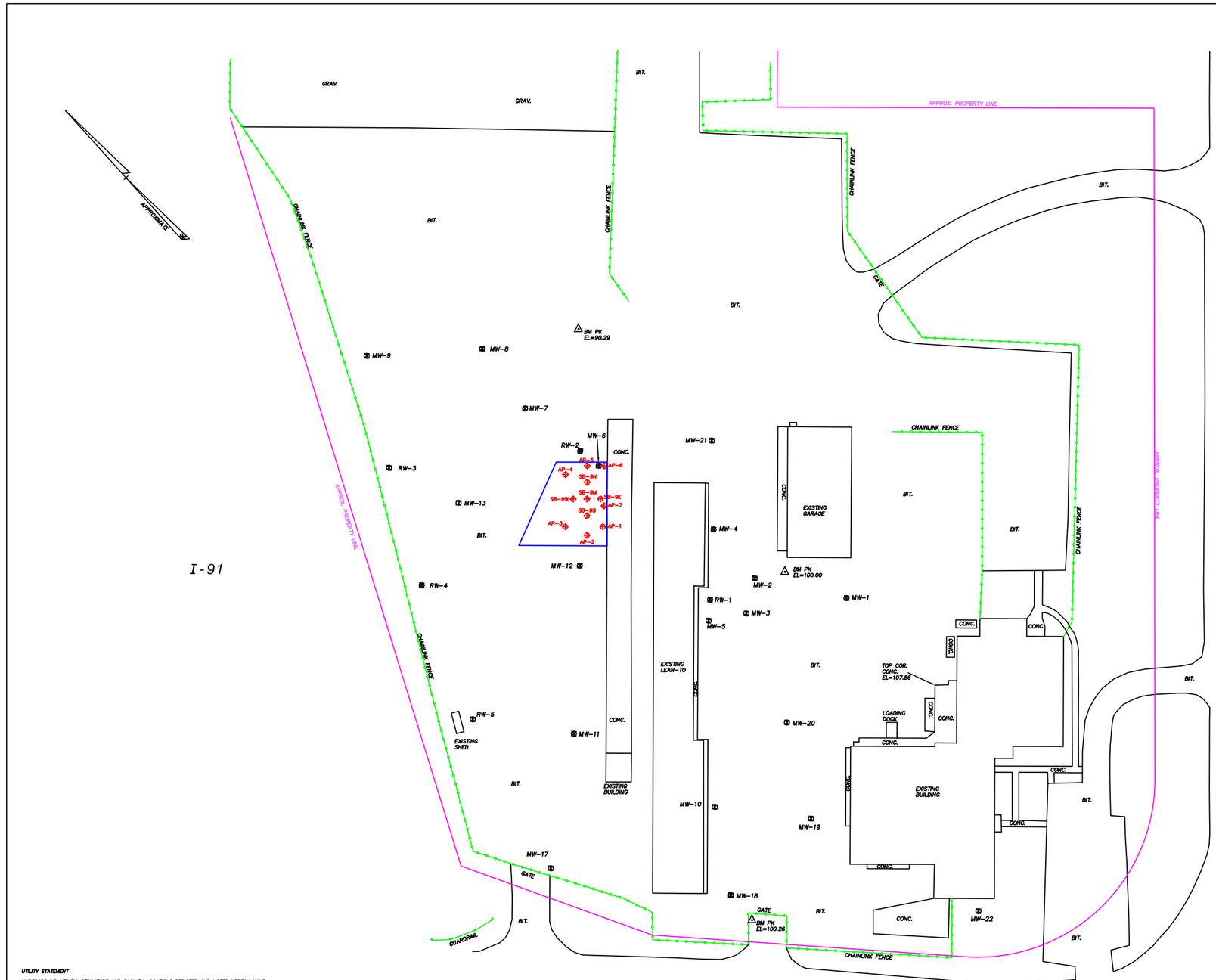

***FIGURES***

**FIGURE 1**
**Site Location Map**

**Former CL&P Area Work Center**
**1654 King Street**
**Enfield, Connecticut**




| | | | |
|---|---|---|---|
| 58H Connecticut Avenue<br>South Windsor, Connecticut<br>Telephone: (860) 282-1700<br>APEX | United States Department of the Interior<br>Geological Survey<br>7.5 Minute Series Topographic Map<br>Contour Interval: 20 feet<br>Scale: 1 inch = 2,000 feet | Project: Annual Status Report<br>Apex Job #: 5783-010<br>Date: January 2016 | |




LEGEND

- PROPERTY LINE
- CHAINLINK FENCE
- BITUMINOUS PAVEMENT
- CONC. CONCRETE
- BIT. BITUMINOUS
- MW-8 MONITORING WELL ID
- AP-1 SOIL BORING LOCATION
- EXCAVATION AREA (APRIL 2013)

MAP REFERENCES:

1. "COMPILATION PLAN PLAN SHOWING TEMPORARY EASEMENT AREA AT THE FORMER ENFIELD SERVICE CENTER SITE ENFIELD, CONNECTICUT DATE 12/9/96 SCALE 1"=100' DWG. NO. 21817 NORTHEAST UTILITIES SERVICE CO. FOR THE CONNECTICUT LIGHT & POWER CO."

2. "DATA ACCUMULATION PLAN PREPARED FOR APEX COMPANIES, LLC. 1654 KING STREET, ENFIELD, CONNECTICUT, DATE 12/13/2010, SCALE 1"=20', SHEET NO. 1 OF 1" PREPARED BY DENNO LAND SURVEYING & CONSULTING, LLC, TARIFFVILLE, CONNECTICUT.

SURVEY NOTES:

THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

THE TYPE OF SURVEY PERFORMED IS A DATA ACCUMULATION SURVEY, AND IS INTENDED TO DEPICT THE POSITION OF MONITORING WELLS IN RELATIONSHIP TO THE BUILDINGS AND PAVEMENT.

THIS PLAN CONFORMS TO VERTICAL ACCURACY CLASS T-2.

HORIZONTAL DATUM IS BASED ON MAP REFERENCE 1. VERTICAL DATUM IS ASSUMED.

0 40 80 160

Scale in Feet
1" = 80'

UTILITY STATEMENT

UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO THIS SURVEYOR. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION.
CALL BEFORE YOU DIG 1-800-922-4455.

APEX
58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT
(860) 282-1700

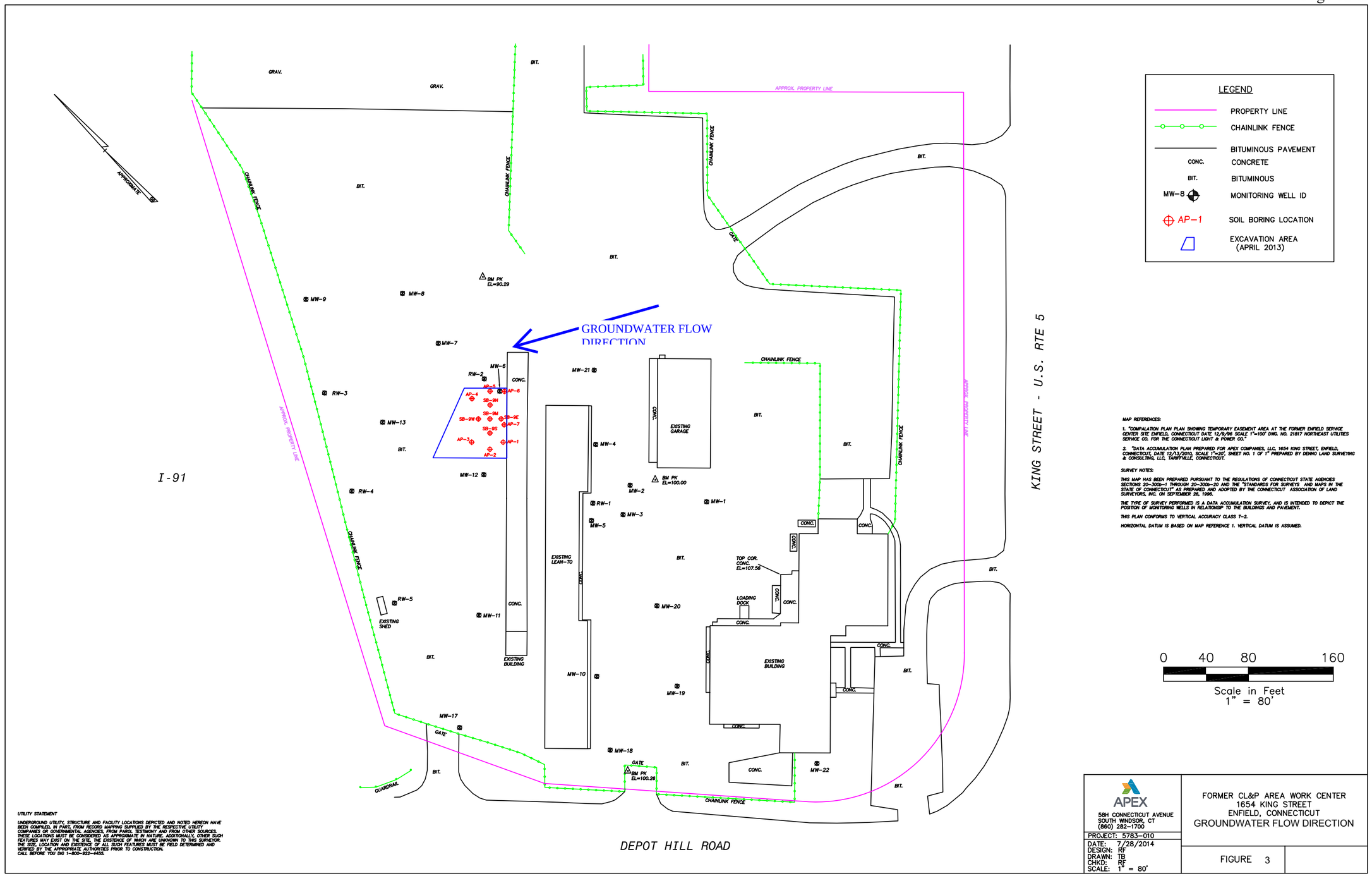
PROJECT: 5783-010
DATE: 7/28/2014
DESIGN: RF
DRAWN: TB
CHKD: RF
SCALE: 1" = 80'

FORMER CL&P AREA WORK CENTER
1654 KING STREET
ENFIELD, CONNECTICUT

SITE PLAN

FIGURE 2

P:\CLIENTS\NU files\5783-010 Former Enfield Service Center\Figures\Site Plan 2014.dwg, 11X17, 7/28/2014 5:08:31 PM

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PROJECT: 5783-010
DATE: 7/28/2014
DESIGN: RF
DRAWN: TB
CHKD: RF
SCALE: 1" = 80'

FORMER CL&P AREA WORK CENTER
1654 KING STREET
ENFIELD, CONNECTICUT
GROUNDWATER FLOW DIRECTION

FIGURE 3

P:\CLIENTS\NU files\5783-010 Former Enfield Service Center\Figures\Site Plan 2014.dwg, 11X17, 7/28/2014 5:06:31 PM




***TABLE***

APEX

Table 1
Historical Groundwater Monitoring Data

Northeast Utilities Service Company
Former CL&P Area Work Center
1654 King Street
Enfield, Connecticut
2003 to Present

| Well Identifier | MW-9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2003 | 2004 | | 2005 | | 2006 | | 2007 | | | 2008 | | | 2009 | | | | 2010 | | | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/Commercial Volatilization Criteria for Groundwater |
| Day | 30-Oct | 6-Apr | 20-Oct | 6-Apr | 20-Oct | 11-Apr | 11-Oct | 25-Apr | 27-Jul | 23-Oct | 8-Apr | 17-Jul | 15-Oct | 20-Jan | 23-Apr | 28-Jul | 20-Oct | 13-Jan | 6-Apr | 9-Jul | 19-Oct | 20-Jan | 19-Apr | 13-Jul | 11-Oct | 12-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 710 | 530 |
| Bromodichloromethane | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 510* | 35* |
| Bromomethane | <1.0 | <1.0 | <1.2 | <1.0 | <2.0 | <5.0 | <2.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <2.0 | NM | <2.0 | <5.0 | 190* | 1100* |
| 2-Butanone (MEK) | <5.0 | <5.0 | <10.0 | <5.0 | <20.0 | <20.0 | <20.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <2.0 | <5.0 | <5.0 | <5.0 | NM | <5.0 | <5.0 | 10,000* | 50,000 |
| n-Butylbenzene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 21,800* |
| sec-Butylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 20,100* |
| tert-Butylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 25,300* |
| Chlorobenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 420,000 | 6,150 |
| Chloroform | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <2.0 | <2.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 14,100 | 710 |
| 2-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 28,300* |
| 4-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 25,200* |
| 1,2-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 170,000 | 50,000 |
| 1,4-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 26,000 | 50,000 |
| Dichlorodifluoromethane | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | <2.0 | <2.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 720* |
| 1,1-Dichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 4,160* | 50,000 |
| 1,2-Dichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 2,970 | 90 |
| 1,1-Dichloroethene | <0.5 | <0.5 | <0.6 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 96 | 6 |
| 1,2-Dichloropropane | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 150* | 60 |
| Ethylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | <1.0 | 1.4 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 580,000 | 50,000 |
| Isopropylbenzene | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 210* | 2,200* |
| p-Isopropyltoluene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 200* | 2,100* |
| Methyl tert-butyl ether (MTBE) | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 50,000 |
| Naphthalene | 5.5 | <0.5 | <1.0 | 4.2 | <3.0 | <6.0 | <2.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | 210* | NE |
| n-Propylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 2,900* |
| Tetrachloroethene | <0.5 | <0.5 | <0.4 | <0.5 | <2.5 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 88 | 3,820 |
| Toluene | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 4,000,000 | 50,000 |
| 1,2,4-Trichlorobenzene | <0.5 | <0.5 | <0.7 | <0.5 | <3.0 | <5.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 9.6* | 660* |
| 1,1,1-Trichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 62,000 | 50,000 |
| 1,1,2-Trichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 1,260 | 19,600 |
| Trichloroethene | <0.5 | <0.5 | <1.0 | <0.5 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 2,340 | 540 |
| 1,2,4-Trimethylbenzene | 0.6 | <0.5 | <0.7 | 0.8 | <2.0 | <1.0 | 1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 150* | 12,800* |
| 1,3,5-Trimethylbenzene | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | <1.0 | <1.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 260* | 10,000* |
| Xylenes, total | <1.0 | <1.0 | <1.3 | <1.0 | <4.0 | <2.0 | 3.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | 270* | 50,000 |

| Well Identifier | MW-9 | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/Commercial Volatilization Criteria for Groundwater |
| Day | 19-Oct | 20-Jan | 19-Apr | 13-Jul | 11-Oct | 12-May | 19-Aug | | |
| **Parameters in milligrams per liter** | | | | | | | | | |
| Arsenic | <0.002 | <0.002 | <0.0020 | <0.002 | NM | <0.0008 | <0.0008 | 0.004 | NE |
| Barium | 0.330 | 0.190 | 0.290 | 0.250 | NM | 0.400 | 0.410 | 2.2* | NE |
| Cadmium | <0.00025 | <0.00025 | <0.00025 | <0.00025 | <0.00025 | <0.00020 | 0.00063 | 0.006 | NE |
| Chromium | ND | ND | ND | ND | NM | 0.001 | 0.0021 | 0.11 | NE |
| Copper | ND | ND | ND | ND | NM | 0.0014 | 0.0029 | 0.048 | NE |
| Silver | <0.0025 | <0.0025 | <0.0025 | <0.0025 | NM | <0.0002 | <0.0002 | 0.012 | NE |
| Zinc | <0.05 | <0.050 | <0.050 | <0.050 | NM | <0.010 | <0.010 | 0.123 | NE |

| Well Identifier | MW-9 | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/Commercial Volatilization Criteria for Groundwater |
| Day | 19-Oct | 20-Jan | 19-Apr | 13-Jul | 11-Oct | 12-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | |
| Benzo(a)anthracene | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.049 | 0.3 | NE |
| Benzo(a)pyrene | <0.10 | <0.10 | <0.10 | <0.10 | NM | <4.9 | <0.097 | 0.3 | NE |
| Benzo(b)fluoranthene | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.049 | 0.3 | NE |
| 2-Methylnaphthalene | <1.0 | <1.0 | <1.0 | <1.0 | NM | <4.9 | <0.97 | 82* | 13,100* |
| Naphthalene | <1.0 | <1.0 | <1.0 | <1.0 | NM | <4.9 | <0.97 | 210* | NE |
| Phenanthrene | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.049 | 0.077 | NE |

* Additional Polluting Substances and Certain Alternative Criteria
'-' - Not Established.
'-' - Not Measured.
**' - Values in bold and shaded indicated a Connecticut Remediation Standard was equaled or exceeded.**
'-' - Not Detected.
*Italicized* reporting limits above CTDEEP RSR Criteria but not detected

*Lead detected at MW-9 at a concentration of 0.00070 mg/L during the August 2021 Sampling event

APEX

**Table 1**
**Historical Groundwater Monitoring Data**
**Detected Analytes**

Eversource Energy
Former CL&P Area Work Center
1654 King Street
Enfield, Connecticut
2003 to Present

| Well ID | MW-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SWPC | I/C Vol. Criteria |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2003 | 2004 | | 2005 | | 2006 | | 2007 | | | 2008 | | | 2009 | | | | 2010 | | | | 2011 | | | | 2012 | 2014 | 2015 | 2016 | 2017 | 2019 | 2021 | | | | | | | | | |
| Day | 30-Oct | 6-Apr | 20-Oct | 6-Apr | 20-Oct | 11-Apr | 11-Oct | 25-Apr | 27-Jul | 23-Oct | 8-Apr | 17-Jul | 15-Oct | 20-Jan | 23-Apr | 28-Jul | 20-Oct | 13-Jan | 6-Apr | 8-Jul | 19-Oct | 24-Jan | 18-Apr | 11-Jul | 11-Oct | 24-Jan | 25-Apr | 6-May | 10-May | 16-Jun | 10-Jul | 12-May | 20-Aug | | | | | | | | |
| ***VOCs via EPA 8260 (ug/l)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetone | NA | NA | NA | NA | NA | NA | NA | ND | NM | ND | ND | ND | 42.7 | <7.0 | 21.2 | <5.0 | <5.0 | NM | <5.0 | <10 | <5.0 | <5.0 | NM | NM | NM | NM | <5.0 | 73 | <10 | <10 | <10 | NM | NM | | | | | | 10,000* | 50,000 |
| Benzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 | NM | | | | | | 710 | 530 |
| Bromodichloromethane | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 510* | 35* |
| Bromomethane | <1.0 | <1.0 | <1.2 | <1.0 | <2.0 | NM | <2.0 | <2.0 | NM | <2.0 | <5.0 | <1.0 | <2.0 | <1.0 | <6.0 | <5.0 | <5.0 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <1.0 | <1.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | | | | | | 160* | 1100* |
| 2-Butanone (MEK) | <5.0 | <5.0 | <10.0 | <5.0 | <20.0 | NM | <20.0 | <20.0 | NM | <20.0 | <20.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | NM | NM | <5.0 | <5.0 | <10 | <10 | <10 | <5.0 | NM | | | | | | 10,000* | 50,000 |
| n-Butylbenzene | 0.8 | <0.5 | <0.7 | <0.5 | <2.0 | NM | <1.0 | 2.2 | NM | 2.2 | <1.0 | 1.6 | 0.9 | <0.5 | <0.5 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | 1.1 | 2.8 | <1.0 | <1.0 | <1.0 | <1.0 | NM | | | | | | 10,000* | 21,800* |
| sec-Butylbenzene | <0.5 | <0.5 | 4.1 | <0.5 | 1.6 | NM | 1.9 | 2.4 | NM | 2.8 | <1.0 | 1.6 | 1 | <0.5 | 0.6 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | 1.3 | 2.6 | 1.2 | 2.2 | <1.0 | NM | NM | | | | | | 10,000* | 20,100* |
| tert-Butylbenzene | <0.5 | <0.5 | 2.4 | <0.5 | <2.0 | NM | 1.4 | <1.0 | NM | 2 | <1.0 | 0.9 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | | | | | | 10,000* | 25,300* |
| Chlorobenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 420,000 | 6,150 |
| Chloroform | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | NM | <2.0 | <2.0 | NM | <2.0 | <2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 14,100 | 710 |
| 2-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 10,000* | 28,300* |
| 4-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 10,000* | 25,200* |
| 1,2-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 170,000 | 50,000 |
| 1,4-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 26,000 | 50,000 |
| Dichlorodifluoromethane | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | NM | <2.0 | <2.0 | NM | <2.0 | <2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 10,000* | 720* |
| 1,1-Dichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 4,100* | 50,000 |
| 1,2-Dichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 2,970 | 90 |
| 1,1-Dichloroethene | <0.5 | <0.5 | <0.6 | <1.0 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 96 | 6 |
| 1,2-Dichloropropane | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 150* | 60 |
| Ethylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | 1.3 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 580,000 | 50,000 |
| Isopropylbenzene | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | NM | <1.0 | 2 | NM | <1.0 | <1.0 | 1.4 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | 0.94 | 1.6 | 0.64 | 1.2 | <0.50 | NM | NM | | | | | | 210* | 2,200* |
| p-Isopropyltoluene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 200* | 2,100* |
| Methyl tert-butyl ether (MTBE) | 0.9 | <0.5 | <0.8 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | 1.5 | <1.0 | <0.5 | 1 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | 0.97 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 10,000* | 50,000 |
| Naphthalene | 0.8 | <0.5 | <1.0 | <0.5 | 3 | NM | <2.0 | 4.5 | NM | <2.0 | <2.0 | <0.5 | <1.0 | 1.7 | <2.0 | <3.0 | 16 | NM | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | | | | | | 210* | NE |
| n-Propylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | 1.6 | NM | <1.0 | 3 | NM | <1.0 | <1.0 | 1.9 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | 1.1 | 2.4 | <1.0 | <1.0 | <1.0 | <1.0 | NM | | | | | | 10,000* | 2,900* |
| Tetrachloroethene | <0.5 | <0.5 | <0.4 | <0.5 | <2.5 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | | | | | | 88 | 3,820 |
| Toluene | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | | | | | | 4,000,000 | 50,000 |
| 1,2,4-Trichlorobenzene | <0.5 | <0.5 | <0.7 | <0.5 | <3.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <2.0 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <2.0 | <0.50 | <2.0 | <0.50 | NM | NM | | | | | | 9.6* | 660* |
| 1,1,1-Trichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 62,000 | 50,000 |
| 1,1,2-Trichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 1,260 | 19,600 |
| Trichloroethene | <0.5 | <0.5 | <1.0 | <0.5 | <1.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | | | | | | 2,340 | 540 |
| 1,2,4-Trimethylbenzene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 150* | 12,800* |
| 1,3,5-Trimethylbenzene | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | NM | <1.0 | <1.0 | NM | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | | | | | | 260* | 10,000* |
| Xylenes, total | <1.0 | <1.0 | <1.3 | <1.0 | <4.0 | NM | <2.0 | <2.0 | NM | <2.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | | | | | | 270* | 50,000 |
| ***Total Metals (mg/l)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | **0.0046** | <0.0020 | <0.0020 | 0.0033 | **0.0044** | 0.0021 | 0.0025 | 0.0032 | 0.0036 | 0.0025/ 0.0048[B] | 0.0015/ 0.0012[B] | 0.0014** | **0.0049** | | | | | | 0.004 | NE |
| Barium | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | 0.820 | 0.350 | 0.220 | 0.430 | 0.570 | 0.390 | 0.300 | 0.430 | 0.560 | 0.55/ 0.550[D] | 0.830/ 0.860[D] | 0.46** | 0.620 | | | | | | 2.2* | NE |
| Cadmium | | | | | | | | | | | | | | NM | NM | NM | NM | NM | NM | NM | <0.00025 | <0.00025 | <0.00025 | <0.0025 | <0.00025 | <0.00025 | <0.00025 | <0.00025 | <0.00025 | <0.00025 | <0.00025 | <0.00020** | 0.00054 | | | | | | 0.006 | NE |
| Silver | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025/ <0.0025[D] | <0.0020/ <0.0020[D] | <0.00020** | <0.00020 | | | | | | 0.012 | NE |
| Nickel | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.005 | 0.0066** | <0.0050 | | | | | | 0.880 | NE |
| Zinc | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | **0.215** | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.160 | **0.290** | 0.05/ <0.010[D] | 0.041/ <0.010[D] | <0.010** | 0.052 | | | | | | 0.123 | NE |
| ***SVOCs via EPA 8270 (ug/l)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.30 | <0.30 | <0.30 | <0.30 | NM | NM | <0.30 | <0.30 | **0.38** | **0.47** | **0.48** | NM | NM | | | | | | 150* | 50,000* |
| Benzo(a)anthracene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | <0.051 | NM | NM | | | | | | 0.3 | NE |
| Benzo(a)pyrene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.10 | <0.10 | <0.10 | <0.10 | NM | NM | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | NM | NM | | | | | | 0.3 | NE |
| Benzo(b)fluoranthene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | <0.051 | NM | NM | | | | | | 0.3 | NE |
| 2-Methylnaphthalene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | | | | | | 62* | 13,100* |
| Naphthalene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | | | | | | 210* | NE |
| Phenanthrene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | <0.051 | NM | NM | | | | | | 0.077 | NE |

Notes:
NM = Not Measured
NE = Not Established
Values **bolded and shaded** indicate an exceedance of one or more applicable RSR criteria
ug/l = micrograms per liter
mg/l = milligrams per liter
VOCs = Volatile Organic Compounds
SVOCs = Semi Volatile Organic Compounds
EPA = Environmental Protection Agency
SWPC = Surface Water Protection Criteria
I/C Vol. Criteria = Industrial / Commercial Volatilization Criteria
* Additional Polluting Substances and Certain Alternative Criteria
** Metals field filtered during May 2021 at this well location

APEX

**Table 1**
**Historical Groundwater Monitoring Data**
**Detected Analytes**

Eversource Energy
Former CL&P Area Work Center
1654 King Street
Enfield, Connecticut
2003 to Present

| Well ID | MW-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SWPC | I/C Vol. Criteria |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2003 | 2004 | | 2005 | | 2006 | | 2007 | | | 2008 | | | 2009 | | | | 2010 | | | | 2011 | | | | 2012 | 2014 | 2015 | 2016 | 2017 | 2021 | | | |
| Day | 30-Oct | 6-Apr | 20-Oct | 6-Apr | 20-Oct | 11-Apr | 11-Oct | 25-Apr | 27-Jul | 23-Oct | 8-Apr | 17-Jul | 15-Oct | 20-Jan | 23-Apr | 28-Jul | 20-Oct | 13-Jan | 6-Apr | 9-Jul | 19-Oct | 20-Jan | 18-Apr | 12-Jul | 12-Oct † | 24-Jan | 25-Apr | 6-May | 10-May | 16-Jun | 12-May | 20-Aug | | |
| ***VOCs via EPA 8260 (ug/l)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 710 | 530 |
| Bromodichloromethane | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 510* | 35* |
| Bromomethane | <1.0 | <1.0 | <1.2 | <1.0 | <2.0 | NM | NM | <2.0 | <2.0 | <2.0 | <5.0 | <1.0 | <2.0 | NM | <6.0 | <5.0 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <1.0 | <1.0 | <2.0 | <2.0 | NM | NM | 160* | 1100* |
| 2-Butanone (MEK) | <5.0 | <5.0 | <10.0 | <5.0 | <20.0 | NM | NM | <20.0 | <20.0 | <20.0 | <20.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <5.0 | NM | NM | NM | NM | <5.0 | <5.0 | <10 | <5.0 | NM | NM | 10,000* | 50,000 |
| n-Butylbenzene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | NM | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 10,000* | 21,800* |
| sec-Butylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 10,000* | 20,100* |
| tert-Butylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 10,000* | 25,300* |
| Chlorobenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 420,000 | 6,150 |
| Chloroform | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 14,100 | 710 |
| 2-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 10,000* | 28,300* |
| 4-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 10,000* | 25,200* |
| 1,2-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | 1.2 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 170,000 | 50,000 |
| 1,4-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 26,000 | 50,000 |
| Dichlorodifluoromethane | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 10,000* | 720* |
| 1,1-Dichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 4,100* | 50,000 |
| 1,2-Dichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <5.0 | <5.0 | <0.50 | <0.50 | NM | NM | 2,970 | 90 |
| 1,1-Dichloroethene | <0.5 | <0.5 | <0.6 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | 1.9 | <0.5 | NM | <0.5 | <0.50 | 0.73 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 96 | 6 |
| 1,2-Dichloropropane | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 150* | 60 |
| Ethylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | 1.9 | <0.5 | NM | <0.5 | <0.50 | 0.73 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 580,000 | 50,000 |
| Isopropylbenzene | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 210* | 2,200* |
| p-Isopropyltoluene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 200* | 2,100* |
| Methyl tert-butyl ether (MTBE) | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 10,000* | 50,000 |
| Naphthalene | 4.9 | <0.5 | <1.0 | <0.5 | <3.0 | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | <5.0 | <1.0 | NM | <2.0 | <3.0 | 18 | 2.1 | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | 210* | NE |
| n-Propylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | 1.5 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 10,000* | 2,900* |
| Tetrachloroethene | <0.5 | <0.5 | <0.4 | <0.5 | <2.5 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | 0.5 | NM | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 88 | 3,820 |
| Toluene | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 4,000,000 | 50,000 |
| 1,2,4-Trichlorobenzene | <0.5 | <0.5 | <0.7 | <0.5 | <3.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <2.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <2.0 | <0.50 | <2.0 | NM | NM | 9.6* | 860* |
| 1,1,1-Trichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 62,000 | 50,000 |
| 1,1,2-Trichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 1,260 | 19,600 |
| Trichloroethene | <0.5 | <0.5 | <1.0 | <0.5 | <1.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 2,340 | 540 |
| 1,2,4-Trimethylbenzene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | 2.5 | <0.5 | NM | <0.5 | 0.6 | 0.6 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 150* | 12,800* |
| 1,3,5-Trimethylbenzene | <0.5 | <0.5 | 1.7 | <0.5 | <2.0 | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | NM | NM | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | 260* | 10,000* |
| Xylenes, total | <1.0 | <1.0 | <1.3 | <1.0 | <4.0 | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | 5 | <1.0 | NM | <1.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | NM | NM | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | 270* | 50,000 |
| ***Total Metals (mg/l)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | **0.0063** | **0.0079** | **0.0052** | **0.0081** | **0.02** | **0.018** | **0.0062** | **0.036** | **0.030** | **0.0084 / 0.0078[D]** | **0.025 / 0.012[D]** | **0.010**** | **0.014** | 0.004 | NE |
| Antimony | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.0011** | 0.0012 | 86 | NE |
| Barium | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | 0.230 | 0.098 | 0.150 | 0.230 | 0.230 | 0.240 | 0.077 | 0.18 | 0.270 | <0.050 | 0.47/ 0.370[D] | 0.230** | 0.240 | 2.2* | NE |
| Cadmium | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.00043** | 0.0014 | 0.006 | NE |
| Chromium | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | ND | ND | ND | ND | ND | ND | ND | <0.005 | <0.005 | <0.005 | 0.0092/ <0.0050[D] | 0.0011** | 0.0016 | 0.11 | NE |
| Copper | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | ND | ND | ND | ND | ND | ND | ND | <0.025 | <0.025 | <0.025 | 0.03/ <0.0250[D] | 0.0050** | 0.0071 | 0.048 | NE |
| Lead | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | ND | ND | ND | ND | ND | ND | ND | <0.005 | <0.005 | <0.005 | 0.012/ <0.0050[D] | <0.0005** | 0.0015 | 0.013 | NE |
| Silver | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025/ <0.0025[D] | <0.00020** | <0.00020 | 0.012 | NE |
| Zinc | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | **0.210** | **0.150** | <0.100 | 0.100 | **0.150** | 0.087 | 0.086 | 0.11 | **0.210** | <0.050 | **0.31/ 0.091[D]** | 0.110** | 0.120 | 0.123 | NE |
| ***SVOCs via EPA 8270 (ug/l)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzo(a)anthracene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | NM | NM | NM | <0.050 | <0.050 | <0.050 | 0.081 | NM | NM | 0.3 | NE |
| Benzo(a)pyrene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.10 | <0.10 | <0.10 | <0.10 | NM | NM | NM | <0.10 | <0.10 | <0.10 | 0.12 | NM | NM | 0.3 | NE |
| Benzo(b)fluoranthene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | NM | NM | NM | <0.050 | <0.050 | 0.12 | 0.15 | NM | NM | 0.3 | NE |
| 2-Methylnaphthalene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 62* | 13,100* |
| Naphthalene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | NM | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | 210* | NE |
| Phenanthrene | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | <0.050 | <0.050 | <0.050 | <0.050 | NM | NM | NM | <0.050 | <0.050 | <0.050 | 0.065 | NM | NM | 0.077 | NE |

Notes:
NM = Not Measured
NE = Not Established
Values **bolded and shaded** indicate an exceedance of one or more applicable RSR criteria
ug/l = micrograms per liter
mg/l = milligrams per liter
VOCs = Volatile Organic Compounds
SVOCs = Semi Volatile Organic Compounds
EPA = Environmental Protection Agency
SWPC = Surface Water Protection Criteria
I/C Vol. Criteria = Industrial / Commercial Volatilization Criteria
† = MW-13 sample was passed through a 10 micron filter during the October 12, 2011 sampling event for total metals
Nickel was detected in MW-13 (filtered with a 10 micron filter) at 0.038 mg/l during the October 12, 2011 sampling event
* Additional Polluting Substances and Certain Alternative Criteria
[D] Dissolved metals concentration
** Metals field filtered during May 2021 at this well location

Table 1
Historical Groundwater Monitoring Data

Northeast Utilities Service Company
Former CL&P Area Work Center
1654 King Street
Enfield, Connecticut
2003 to Present

| Well Identifier | RW-3 | | | | | | | | | | | | | | | | | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2005 | | 2006 | | 2007 | | | 2008 | | | | 2009 | | | | 2010 | | | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/Commecial Volatilization Criteria for Groundwater |
| Day | 6-Apr | 20-Oct | 11-Apr | 11-Oct | 25-Apr | 27-Jul | 23-Oct | 8-Apr | 17-Jul | 15-Oct | 20-Jan | 23-Apr | 28-Jul | 1-Aug | 23-Oct | 13-Jan | 6-Apr | 9-Jul | 20-Oct | 20-Jan | 19-Apr | 13-Jul | 12-Oct | 13-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 710 | 530 |
| Bromodichloromethane | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <5.0 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 510* | 35* |
| Bromomethane | <1.0 | <2.0 | <5.0 | <2.0 | <2.0 | <2.0 | <2.0 | <5.0 | <1.0 | <2.0 | NM | <6.0 | NM | <5.0 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <2.0 | <0.50 | <2.0 | <5.0 | 160* | 1100* |
| 2-Butanone (MEK) | <5.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <2.0 | <2.0 | NM | <2.0 | NM | <2.0 | NM | <2.0 | <2.0 | <2.0 | NM | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | 10,000* | 50,000 |
| n-Butylbenzene | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | NM | <0.5 | NM | <1.0 | NM | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 10,000* | 21,800* |
| sec-Butylbenzene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <1.0 | NM | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 10,000* | 20,100* |
| tert-Butylbenzene | 1.2 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <1.0 | NM | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 10,000* | 25,300* |
| Chlorobenzene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 420,000 | 6,150 |
| Chloroform | <0.5 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 14,100 | 710 |
| 2-Chlorotoluene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 10,000* | 28,300* |
| 4-Chlorotoluene | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 10,000* | 25,200* |
| 1,2-Dichlorobenzene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 170,000 | 50,000 |
| 1,4-Dichlorobenzene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 26,000 | 50,000 |
| Dichlorodifluoromethane | <0.5 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 10,000* | 720* |
| 1,1-Dichloroethane | 4.0 | 5.5 | 3.7 | 3.7 | 2.6 | 2.7 | 2.0 | 2.8 | 2.8 | 2.8 | NM | 2.3 | NM | 2.8 | NM | 2.0 | 2.2 | 2.2 | NM | 2.2 | 2.2 | 2.1 | 2.4 | 0.74 | 1.0 | 4,100* | 50,000 |
| 1,2-Dichloroethane | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2,970 | 90 |
| 1,1-Dichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 96 | 6 |
| 1,2-Dichloropropane | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 150* | 60 |
| Ethylbenzene | <0.5 | <2.0 | <1.0 | <1.0 | 1.4 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 580,000 | 50,000 |
| Isopropylbenzene | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 210* | 2,200* |
| p-Isopropyltoluene | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 200* | 2,100* |
| Methyl tert-butyl ether (MTBE) | 0.9 | 1.1 | <1.0. | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 10,000* | 50,000 |
| Naphthalene | <0.5 | <3.0 | <6.0 | <2.0 | 9.0 | <2.0 | <2.0 | 2.6 | <5.0 | <1.0 | NM | <2.0 | NM | <3.0 | NM | <2.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 210* | NE |
| n-Propylbenzene | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <1.0 | NM | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 10,000* | 2,900* |
| Tetrachloroethene | <0.5 | <2.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <1.0 | NM | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 88 | 3,820 |
| Toluene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <1.0 | NM | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 4,000,000 | 50,000 |
| 1,2,4-Trichlorobenzene | <0.5 | <3.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <2.0 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 9.6* | 660* |
| 1,1,1-Trichloroethane | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <1.0 | <1.0 | <1.0 | 62,000 | 50,000 |
| 1,1,2-Trichloroethane | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1,260 | 19,800 |
| Trichloroethene | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <1.0 | NM | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2,340 | 540 |
| 1,2,4-Trimethylbenzene | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 150* | 12,800* |
| 1,3,5-Trimethylbenzene | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | NM | <0.5 | NM | <0.50 | NM | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 260* | 10,000* |
| Xylenes, total | <1.0 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <1.0 | <1.0 | NM | <1.0 | NM | <2.0 | NM | <2.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 270* | 50,000 |

| Well Identifier | RW-3 | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/ Commercial Volatilization Criteria for Groundwater |
| Day | 8-Jul | 20-Oct | 20-Jan | 19-Apr | 13-Jul | 12-Oct | 13-May | 19-Aug | | |
| **Parameters in milligrams per liter** | | | | | | | | | | |
| Arsenic | <0.002 | NM | <0.0020 | <0.0020 | <0.002 | <0.002 | 0.0013 | <0.00080 | 0.004 | NE |
| Barium | 0.510 | NM | 4.400 | 4.300 | 2.600 | 0.690 | 0.470 | 0.450 | 2.2* | NE |
| Cadmium | <0.00025 | NM | <0.00025 | <0.00025 | <0.00025 | <0.00025 | 0.00064 | 0.00038 | 0.006 | NE |
| Chromium | <0.005 | NM | <0.005 | <0.005 | <0.005 | <0.005 | 0.0015 | <0.001 | 0.11 | NE |
| Copper | <0.00025 | NM | <0.00025 | <0.00025 | <0.00025 | <0.00025 | 0.017 | 0.0027 | 0.048 | NE |
| Lead | <0.005 | NM | <0.005 | <0.005 | <0.005 | <0.005 | 0.0020 | <0.00050 | 0.013 | NE |
| Silver | <.0025 | NM | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.00020 | <0.00020 | 0.012 | NE |
| Zinc | 0.051 | NM | <0.050 | <0.050 | <0.050 | <0.050 | 0.033 | 0.027 | 0.123 | NE |

| Well Identifier | RW-3 | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/ Commercial Volatilization Criteria for Groundwater |
| Day | 8-Jul | 20-Oct | 20-Jan | 19-Apr | 13-Jul | 12-Oct | 13-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | | |
| Benzo(a)anthracene | <0.050 | NM | <0.050 | <0.050 | <0.050 | <0.050 | *<5.0* | <0.050 | 0.3 | NE |
| Benzo(a)pyrene | <0.10 | NM | <0.10 | <0.10 | <0.10 | <0.10 | *<5.0* | <0.10 | 0.3 | NE |
| Benzo(b)fluoranthene | <0.050 | NM | <0.050 | <0.050 | <0.050 | <0.050 | *<5.0* | <0.050 | 0.3 | NE |
| 2-Methylnaphthalene | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | *<5.0* | <1.0 | 62* | 13,100* |
| Naphthalene | <1.0 | NM | <1.0 | <1.0 | <1.0 | <1.0 | *<5.0* | <1.0 | 210* | NE |
| Phenanthrene | <0.050 | NM | <0.050 | <0.050 | <0.050 | <0.050 | *<5.0* | <0.050 | 0.077 | NE |

[1] - Not Established.
[2] - Not Measured.
[3] - Values in bold and shaded indicated a Connecticut Remediation Standard was equaled or exceeded.
[4] - Not Detected.
* Additional Polluting Substances and Certain Alternative Criteria

APEX

Table 1
Historical Groundwater Monitoring Data

Northeast Utilities Service Company
Former CL&P Area Work Center
1654 King Street
Enfield, Connecticut
2003 to Present

| Well Identifier | RW-4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2003 | 2004 | | 2005 | | 2006 | | 2007 | | | 2008 | | 2009 | | | | | 2010 | | | | 2011 | | | | | 2021 | | Surface Water Protection Criteria | Industrial/Commercial Volatilization Criteria for Groundwater |
| Day | 30-Oct | 6-Apr | 20-Oct | 6-Apr | 20-Oct | 11-Apr | 11-Oct | 25-Apr | 27-Jul | 23-Oct | 8-Apr | 17-Jul | 15-Oct | 20-Jan | 23-Apr | 28-Jul | 20-Oct | 13-Jan | 6-Apr | 8-Jul | 20-Oct | 24-Jan | 19-Apr | 13-Jul | 11-Oct | 11-Oct | 13-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 710 | 530 |
| Bromodichloromethane | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 510* | 35* |
| Bromomethane | <1.0 | <1.0 | <1.2 | <1.0 | <2.0 | <5.0 | <2.0 | <2.0 | <2.0 | <2.0 | <5.0 | <1.0 | <2.0 | <1.0 | <6.0 | <5.0 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 | NM | NM | <2.0 | <5.0 | 160* | 1100* |
| 2-Butanone (MEK) | <5.0 | <5.0 | <10.0 | <5.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <5.0 | <5.0 | <5.0 | NM | NM | <5.0 | <5.0 | 10,000* | 50,000 |
| n-Butylbenzene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | 10,000* | 21,800* |
| sec-Butylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | 10,000* | 20,100* |
| tert-Butylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | 10,000* | 25,300* |
| Chlorobenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 420,000 | 6,150 |
| Chloroform | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 14,100 | 710 |
| 2-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 10,000* | 28,300* |
| 4-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 10,000* | 25,200* |
| 1,2-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 170,000 | 50,000 |
| 1,4-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 26,000 | 50,000 |
| Dichlorodifluoromethane | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 10,000* | 720* |
| 1,1-Dichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 4,100* | 50,000 |
| 1,2-Dichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 2,970 | 90 |
| 1,1-Dichloroethene | <0.5 | <0.5 | <0.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 96 | 6 |
| 1,2-Dichloropropane | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 150* | 60 |
| Ethylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | 0.95 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 580,000 | 50,000 |
| Isopropylbenzene | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 210* | 2,200* |
| p-Isopropyltoluene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 200* | 2,100* |
| Methyl tert-butyl ether (MTBE) | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 10,000* | 50,000 |
| Naphthalene | <0.5 | <0.5 | <1.0 | <0.5 | <3.0 | <6.0 | <2.0 | 12.1 | <2.0 | <2.0 | <2.0 | <5.0 | <1.0 | 3.2 | <2.0 | 3.1 | 11 | 4.4 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | <2.0 | <2.0 | 210* | NE |
| n-Propylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | >0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | 10,000* | 2,900* |
| Tetrachloroethene | <0.5 | <0.5 | <0.4 | <0.5 | <2.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | 88 | 3,820 |
| Toluene | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | 4,000,000 | 50,000 |
| 1,2,4-Trichlorobenzene | <0.5 | <0.5 | <0.7 | <0.5 | <3.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <2.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 9.6* | 660* |
| 1,1,1-Trichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 62,000 | 50,000 |
| 1,1,2-Trichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 1,260 | 19,800 |
| Trichloroethene | <0.5 | <0.5 | <1.0 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | NM | <1.0 | <1.0 | 2,340 | 540 |
| 1,2,4-Trimethylbenzene | <0.5 | <0.5 | <0.7 | 1.4 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 150* | 12,800* |
| 1,3,5-Trimethylbenzene | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | NM | <0.50 | <0.50 | 260* | 10,000* |
| Xylenes, total | <1.0 | <1.0 | <1.3 | <1.0 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | NM | <2.0 | <2.0 | 270* | 50,000 |

| Well Identifier | RW-4 | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/ Commercial Volatilization Criteria for Groundwater |
| Day | 8-Jul | 20-Oct | 24-Jan | 19-Apr | 13-Jul | 11-Oct | 13-May | 19-Aug | | |
| **Parameters in milligrams per liter** | | | | | | | | | | |
| Arsenic | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | NM | <0.0008 | <0.0008 | 0.004 | NE |
| Barium | 0.600 | 0.280 | 0.430 | 0.390 | 0.660 | NM | 0.170 | 0.150 | 2.2* | NE |
| Chromium | ND | ND | ND | ND | ND | NM | 0.0014 | 0.0012 | 0.11 | NE |
| Copper | ND | ND | ND | ND | ND | NM | 0.088 | 0.0023 | 0.048 | NE |
| Lead | ND | ND | ND | ND | ND | NM | <0.00050 | 0.0013 | 0.013 | NE |
| Silver | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | NM | <0.0002 | <0.0002 | 0.012 | NE |
| Zinc | 0.084 | <0.05 | <0.050 | <0.050 | <0.050 | NM | <0.010 | <0.010 | 0.123 | NE |

| Well Identifier | RW-4 | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/ Commercial Volatilization Criteria for Groundwater |
| Day | 8-Jul | 20-Oct | 24-Jan | 19-Apr | 13-Jul | 11-Oct | 13-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | | |
| Benzo(a)anthracene | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.047 | 0.3 | NE |
| Benzo(a)pyrene | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | NM | <4.9 | <0.094 | 0.3 | NE |
| Benzo(b)fluoranthene | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.047 | 0.3 | NE |
| 2-Methylnaphthalene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <4.9 | <0.94 | 62* | 13,100* |
| Naphthalene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <4.9 | <0.94 | 210* | NE |
| Phenanthrene | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.047 | 0.077 | NE |

[1] - Not Established.
[2] - Not Measured.
[3] - Values in bold and shaded indicated a Connecticut Remediation Standard was equaled or exceeded.
[4] - Not Detected.
* Additional Polluting Substances and Certain Alternative Criteria
*Italicized* reporting limits above CTDEEP RSR Criteria but not detected

APEX

Table 1
Historical Groundwater Monitoring Data

Northeast Utilities Service Company
Former CL&P Area Work Center
1654 King Street
Enfield, Connecticut
2003 to Present

| Well Identifier | RW-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2003 | 2004 | | 2005 | | 2006 | | 2007 | | | 2008 | | | 2009 | | | | 2010 | | | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial/Commecial Volatilization Criteria for Groundwater |
| Day | 30-Oct | 6-Apr | 20-Oct | 6-Apr | 20-Oct | 11-Apr | 11-Oct | 25-Apr | 27-Jul | 23-Oct | 8-Apr | 17-Jul | 15-Oct | 20-Jan | 23-Apr | 28-Jul | 20-Oct | 13-Jan | 6-Apr | 8-Jul | 20-Oct | 19-Jan | 19-Apr | 13-Jul | 11-Oct | 13-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 710 | 530 |
| Bromodichloromethane | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 510* | 35* |
| Bromomethane | <1.0 | <1.0 | <1.2 | <1.0 | <2.0 | <5.0 | <2.0 | <2.0 | <2.0 | <2.0 | <5.0 | <1.0 | <2.0 | <1.0 | <6.0 | <5.0 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 | NM | <2.0 | <5.0 | 160* | 1100* |
| 2-Butanone (MEK) | <5.0 | <5.0 | <10.0 | <5.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <5.0 | <5.0 | NM | <5.0 | <5.0 | 10,000* | 50,000 |
| n-Butylbenzene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 21,800* |
| sec-Butylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 20,100* |
| tert-Butylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 25,300* |
| Chlorobenzene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 420,000 | 6,150 |
| Chloroform | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <1.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 14,100 | 710 |
| 2-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 28,300* |
| 4-Chlorotoluene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <1.0 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 25,200* |
| 1,2-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 170,000 | 50,000 |
| 1,4-Dichlorobenzene | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 26,000 | 50,000 |
| Dichlorodifluoromethane | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 720* |
| 1,1-Dichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 4,100* | 50,000 |
| 1,2-Dichloroethene | <0.5 | <0.5 | <0.9 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 2,970 | 90 |
| 1,1-Dichloroethene | <0.5 | <0.5 | <0.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 96 | 6 |
| 1,2-Dichloropropane | <0.5 | <0.5 | <0.6 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 150* | 60 |
| Ethylbenzene | <0.5 | <0.5 | <0.6 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 580,000 | 50,000 |
| Isopropylbenzene | <0.5 | <0.5 | <0.4 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <1.0 | <0.50 | NM | <0.50 | <0.50 | 210* | 2,200* |
| p-Isopropyltoluene | <0.5 | <0.5 | <0.7 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 200* | 2,100* |
| Methyl tert-butyl ether (MTBE) | <0.5 | <0.5 | <0.8 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 10,000* | 50,000 |
| Naphthalene | <0.5 | <0.5 | <1.0 | <0.5 | <3.0 | <8.0 | <2.0 | 10.2 | <2.0 | <2.0 | <2.0 | <5.0 | <1.0 | 1.5 | <2.0 | 3.5 | <2.0 | 4.6 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | 210* | NE |
| n-Propylbenzene | <0.5 | <0.5 | <0.8 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 10,000* | 2,900* |
| Tetrachloroethene | 11.9 | 9.6 | 10.7 | 8.2 | 7.8 | 7.1 | 7.9 | 5.8 | 6.0 | 5.6 | 5.3 | 6.7 | 7.2 | 4.5 | 1.6 | 2.7 | 4.7 | 4.3 | 4.3 | 3.4 | 3.9 | 3.6 | 3.6 | 3.8 | NM | 1.0 | 1.9 | 88 | 3,820 |
| Toluene | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 4,000,000 | 50,000 |
| 1,2,4-Trichlorobenzene | <0.5 | <0.5 | <0.7 | <0.5 | <3.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <2.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 9.8* | 660* |
| 1,1,1-Trichloroethane | <0.5 | <0.5 | <0.9 | <0.5 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | 0.62 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <1.0 | <0.50 | NM | <0.50 | <0.50 | 62,000 | 50,000 |
| 1,1,2-Trichloroethane | <0.5 | <0.5 | <0.7 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 1,260 | 19,600 |
| Trichloroethene | <0.5 | <0.5 | <1.0 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <1.0 | <1.0 | 2,340 | 540 |
| 1,2,4-Trimethylbenzene | <0.5 | <0.5 | <0.7 | 1.3 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | NM | <0.50 | <0.50 | 150* | 12,800* |
| 1,3,5-Trimethylbenzene | <0.5 | <0.5 | <1.0 | <0.5 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 | <1.0 | <0.50 | NM | <0.50 | <0.50 | 260* | 10,000* |
| Xylenes, total | <1.0 | <1.0 | <1.3 | <1.0 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <3.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NM | <2.0 | <2.0 | 270* | 50,000 |

| Well Identifier | RW-5 | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial Commecial Volatilization Criteria for Groundwater |
| Day | 8-Jul | 20-Oct | 19-Jan | 19-Apr | 13-Jul | 11-Oct | 13-May | 19-Aug | | |
| **Parameters in milligrams per liter** | | | | | | | | | | |
| Arsenic | <0.002 | <0.002 | <0.0020 | <0.0020 | <0.002 | NM | <0.0008 | <0.00080 | 0.004 | NE |
| Barium | 0.170 | 0.180 | 0.140 | 0.240 | 0.170 | NM | 0.250 | 0.170 | 2.2* | NE |
| Chromium | ND | ND | ND | ND | ND | NM | 0.0011 | <0.0019 | 0.11 | NE |
| Copper | ND | ND | ND | ND | ND | NM | 0.0039 | 0.0021 | 0.048 | NE |
| Lead | ND | ND | ND | ND | ND | NM | 0.0015 | 0.00053 | 0.013 | NE |
| Silver | <.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | NM | <0.0002 | <0.00020 | 0.012 | NE |
| Zinc | 0.077 | <0.05 | <0.050 | <0.050 | <0.050 | NM | 0.019 | <0.010 | 0.123 | NE |

| Well Identifier | RW-5 | | | | | | | | Connecticut Remediation Standards | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2010 | | 2011 | | | | 2021 | | Surface Water Protection Criteria | Industrial Commecial Volatilization Criteria for Groundwater |
| Day | 8-Jul | 20-Oct | 19-Jan | 19-Apr | 13-Jul | 11-Oct | 13-May | 19-Aug | | |
| **Parameters in micrograms per liter** | | | | | | | | | | |
| Benzo(a)anthracene | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.048 | 0.3 | NE |
| Benzo(a)pyrene | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | NM | <4.9 | <0.095 | 0.3 | NE |
| Benzo(b)fluoranthene | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.048 | 0.3 | NE |
| 2-Methylnaphthalene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <4.9 | <0.95 | 62* | 13,100* |
| Naphthalene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NM | <4.9 | <0.95 | 210* | NE |
| Phenanthrene | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NM | <4.9 | <0.048 | 0.077 | NE |

* Additional Polluting Substances and Certain Alternative Criteria
[1] - Not Established.
[2] - Not Measured.
[3] - Values in bold and shaded indicated a Connecticut Remediation Standard was equaled or exceeded.
[4] - Not Detected.
*Italicized* reporting limits above CTDEEP RSR Criteria but not detected




# *APPENDIX A*

# *WELL SAMPLING LOGS*

**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 1

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Well Number: MW-12 Date: 5/12/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 19'
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 4.90 | – | – | – | – | – | – | – | – | – | |
| 0955 | 5.10 | 1/4 | | | 13.1 | 478.8 | 6.84 | -205.2 | 1.35 | 12.9 | DTB - 21.74 |
| 1000 | 5.21 | | | | 13.3 | 470.2 | 12.1 | -207.7 | 1.01 | 20.7 | |
| 1005 | 5.33 | | | | 13.2 | 470.2 | 12.5 | -209.7 | 0.85 | 27.0 | |
| 1010 | 5.39 | | | | 13.3 | 470.1 | 12.4 | -213.7 | 0.73 | 32.7 | |
| 1015 | 5.46 | | | | 13.2 | 468.8 | 12.3 | -220.3 | 0.66 | 42.2 | |
| 1020 | 5.52 | | | | 12.9 | 469.5 | 12.3 | -221.4 | 0.63 | 49.6 | |
| 1025 | 5.59 | | | | 13.3 | 467.8 | 12.3 | -220.9 | 0.58 | 57.6 | |
| 1030 | 5.65 | | | | 13.0 | 468.7 | 12.2 | -219.1 | 0.58 | 63.1 | |
| 1035 | 5.72 | | | | 13.4 | 469.6 | 12.1 | -211.5 | 0.57 | 68.3 | |
| 1040 | 5.78 | | | | 13.2 | 468.2 | 12.1 | -217.0 | 0.55 | 68.8 | |
| 1045 | 5.85 | | | | 12.7 | 468.9 | 12.0 | -219.4 | 0.54 | 76.6 | |
| 1050 | 5.92 | | ↓ | ~~1.75~~ | 12.9 | 468.7 | 12.0 | -219.4 | 0.52 | 81.4 | |
| 1055 | 5.94 | ↓ | 0.026 | 1.75 | 13.1 | 469.6 | 12.1 | -219.6 | 0.51 | 93.5 | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) YES (NO) If no, why? TURBIDITY FIELD ~~FIELD~~ FILTERED

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 2

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Well Number: MW-13 Date: 5/12/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 16'
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 9.68 | – | – | – | – | – | – | – | – | – | |
| 1130 | 9.80 | 1/4 | | | 15.4 | .542 | 7.01 | 106.4 | 5.19 | 59.4 | DTB - 18.50 |
| 1135 | 9.90 | | | | 15.6 | 541 | 7.00 | 114.8 | 5.09 | 59.7 | |
| 1140 | 10.01 | | | | 15.2 | 542 | 7.00 | 147.3 | 5.02 | 36.1 | |
| 1145 | 10.11 | | | | 15.0 | 542 | 7.01 | 164.4 | 4.99 | 33.8 | |
| 1150 | 10.22 | | | | 14.7 | 542 | 7.00 | 174.9 | 4.91 | 30.3 | |
| 1155 | 10.32 | | | | 15.2 | 541 | 7.00 | 184.2 | 4.90 | 27.3 | |
| 1200 | 10.43 | | | | 14.7 | 542 | 7.00 | 189.9 | 4.88 | 24.5 | |
| 1205 | 10.53 | | | | 14.5 | 540 | 6.99 | 198.1 | 4.89 | 25.3 | |
| 1210 | 10.64 | | | | 14.4 | 540 | 7.00 | 209.3 | 4.86 | 23.3 | |
| 1215 | 10.74 | | | | 14.2 | 540 | 6.99 | 208.6 | 4.73 | 31.6 | |
| 1220 | 10.85 | | | | 14.6 | 539 | 6.98 | 210.0 | 4.47 | 24.8 | |
| 1225 | 10.95 | | | | 14.6 | 542 | 6.99 | 210.8 | 4.51 | 23.3 | |
| 1230 | 11.06 | ↓ | ↓ | ↓ | 14.4 | 541 | 6.99 | 213.3 | 4.55 | 21.2 | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) YES (NO) If no, why?_____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 2 of 2

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Well Number: MW-13 Date: 5/12/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOC

Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): _____
Purging Device; (pump type): _____

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | | - | - | - | - | - | - | - | - | - | |
| 1235 | 11.16 | 1/4 | | | 14.7 | 539 | 6.98 | 213.1 | 4.58 | 38.9 | |
| 1240 | 11.27 | ↓ | | | 14.8 | 542 | 6.99 | 215.9 | 4.62 | 78.3 | |
| 1245 | 11.41 | ↓ | 0.634 | 2.75 | 15.0 | 542 | 6.98 | 217.3 | 4.57 | 71.8 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) YES (NO) If no, why? TURBIDITY FIELD FILTERED

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 2

Location (Site/Facility Name): EVERSOURCE - EAFIELD
Well Number: MW-9 Date: 5/12/21
Field Personnel: J. STAHLEWICZ
Identify Monitoring Point: TOC

Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 16'
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 13.27 | - | - | - | - | - | - | - | - | - | |
| 1330 | 13.41 | 1/4 | | | 14.2 | 1010 | 4.7 | 159.6 | 3.62 | 38.2 | DTB - 18.80 |
| 1335 | 13.60 | | | | 14.6 | 998 | 4.1 | 165.9 | 3.62 | 32.5 | |
| 1340 | 13.61 | | | | 14.0 | 1010 | 4.1 | 167.7 | 3.52 | 34.7 | |
| 1345 | 13.63 | | | | 13.5 | 1006 | ~~4.96~~ 6.98 | 172.1 | 3.16 | 36.6 | |
| 1350 | 13.64 | | | | 13.9 | 1006 | 6.98 | 173.7 | 2.90 | 28.2 | |
| 1355 | 13.66 | | | | 14.0 | 1009 | 6.98 | 174.2 | 2.86 | 19.8 | |
| 1400 | 13.67 | | | | 13.9 | 1008 | 6.99 | 175.6 | 2.72 | 14.9 | |
| 1405 | 13.69 | | | | 13.6 | 1006 | 6.98 | 177.5 | 2.70 | 12.1 | |
| 1410 | 13.70 | | | | 14.0 | 1009 | 6.93 | 177.7 | 2.73 | 9.5 | |
| 1415 | 13.72 | | | | 13.6 | 1004 | 6.98 | 179.8 | 2.67 | 7.8 | |
| 1420 | 13.73 | | | | 13.5 | 1006 | 6.98 | 181.1 | 2.64 | 7.0 | |
| 1425 | 13.75 | | | | 13.8 | 1005 | 6.98 | 182.2 | 2.66 | 5.2 | |
| 1430 | 13.76 | ↓ | ↓ | ↓ | 13.6 | 1006 | 6.98 | 184.1 | 2.75 | 4.9 | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why?_____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 2 of 2

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Well Number: MW-9 Date: 5/12/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOC

Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): _____
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | | – | – | – | – | – | – | – | – | – | |
| 1435 | 13.78 | ↓ | ↓ | ↓ | 13.5 | 1004 | 6.98 | 185.8 | 2.64 | 4.3 | |
| 1440 | 13.80 | ↓ | 0.03 | 2.25 | 13.4 | 1001 | 6.98 | 187.1 | 2.64 | 3.7 | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why? _____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 1

Location (Site/Facility Name): EVERSOURCE - ENFIELD — Depth to _____(top)/_____(bottom) of screen

Well Number: RW-5 Date: 5/13/21

Field Personnel: J. STANLEWICZ — Pump Intake at (ft. below MP): 18'

Identify Monitoring Point: TOP OF MANHOLE — Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 9.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | DTB - 19.75 |
| 0735 | 9.40 | 1/4 | | | 12.30 | 978 | 6.87 | 160.4 | 6.95 | 12.0 | |
| 0740 | 9.41 | | | | 12.40 | 981 | 6.85 | 169.5 | 6.86 | 8.8 | |
| 0745 | 9.43 | | | | 12.40 | 982 | 6.84 | 178.3 | 6.82 | 5.0 | |
| 0750 | 9.44 | | | | 12.40 | 982 | 6.84 | 183.9 | 6.81 | 6.4 | |
| 0755 | 9.46 | | | | 12.40 | 982 | 6.83 | 188.7 | 6.80 | 5.6 | |
| 0800 | 9.47 | | | | 12.50 | 982 | 6.83 | 193.3 | 6.77 | 5.4 | |
| 0805 | 9.49 | | | | 12.50 | 983 | 6.83 | 195.5 | 6.73 | 4.8 | |
| 0810 | 9.51 | | ↓ | ↓ | 12.50 | 983 | 6.83 | 199.0 | 6.75 | 4.8 | |
| 0815 | 9.53 | ↓ | 0.033 | 1.50 | 12.60 | 982 | 6.82 | 201.8 | 6.69 | 3.7 | |
| 0820 | | | | | | | | | | | |
| 0825 | | | | | | | | | | | |
| 0830 | | | | | | | | | | | |
| | | | | | | | | | | | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% values >0.5mg/L); Turbidity (10% values > 5 NTU)

Stabilized (circle) (YES) NO If no, why?_____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 2

Location (Site/Facility Name): EVERSOURCE - ENFIELD — Depth to _____(top)/_____(bottom) of screen

Well Number: RW-4 Date: 5/13/21

Field Personnel: J. STANLEWICZ — Pump Intake at (ft. below MP): 26'

Identify Monitoring Point: TOP OF MANHOLE — Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | @12.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | DTB - 28.10 |
| 0930 | 12.66 | 1/4 | | | 13.8 | 652 | 7.20 | 138.0 | 6.16 | 112.7 | |
| 0935 | 12.66 | | | | 13.9 | 508 | 7.05 | 154.8 | 5.63 | @29.3 | |
| 0940 | 12.66 | | | | 13.9 | 498.5 | 7.04 | 164.2 | 5.56 | 23.7 | |
| 0945 | 12.66 | | | | 14.0 | 498.3 | 7.03 | 168.8 | 5.52 | 33.5 | |
| 0950 | 12.66 | | | | 14.1 | 498.1 | 7.03 | 171.3 | 5.52 | 11.2 | |
| 0955 | 12.66 | | | | 14.5 | 499.2 | 7.03 | 172.3 | 5.55 | 10.7 | |
| 1000 | 12.66 | | | | 15.3 | 502 | 7.03 | 175.3 | 5.62 | 8.8 | |
| 1005 | 12.66 | | | | 15.0 | 504 | 7.03 | 175.6 | 5.63 | 5.3 | |
| 1010 | 12.66 | | | | 14.8 | 499.5 | 7.02 | 178.4 | 5.56 | 5.0 | |
| 1015 | 12.66 | | | | 14.8 | 499.9 | 7.02 | 180.0 | 5.58 | 7.4 | |
| 1020 | 12.66 | | | | 15.1 | 499.4 | 7.02 | 180.4 | 5.53 | 7.5 | |
| 1025 | 12.66 | | | | 15.0 | 501 | 7.02 | 181.4 | 5.56 | 8.4 | |
| 1030 | 12.66 | ↓ | ↓ | ↓ | 15.0 | 500 | 7.02 | 182.3 | 5.54 | 5.7 | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% values >0.5mg/L); Turbidity (10% values > 5 NTU)

Stabilized (circle) (YES) NO If no, why?_____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Location (Site/Facility Name): EVERSOURCE – ENFIELD — Page 2 of 2
Well Number: RW-4 Date: 5/13/21 — Depth to _____(top)/_____(bottom) of screen
Field Personnel: J. STAHLEWICZ
Identify Monitoring Point: _____ — Pump Intake at (ft. below MP): _____
Purging Device; (pump type): _____

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | | – | – | – | – | – | – | – | – | – | |
| 1035 | 12.66 | ↓ | ↓ | ↓ | 15.1 | .501 | 7.02 | 182.5 | 5.56 | 4.5 | |
| 1040 | 12.66 | ↓ | ↓ | ↓ | 15.1 | 498.4 | 7.02 | 182.6 | 5.55 | 4.7 | |
| 1045 | 12.66 | ↓ | 0.628 | 2.25 | 15.2 | 499.2 | 7.02 | 183.0 | 5.56 | 3.7 | |
| | | | | | | | | | | | |
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Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why? _____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Location (Site/Facility Name): EVERSOURCE - ENFIELD — Page / of /
Well Number: RW-3 Date: 5/13/21 — Depth to _____(top)/_____(bottom) of screen
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: Top OF MANHOLE — Pump Intake at (ft. below MP): 27'
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 12.80 | – | – | – | – | – | – | – | – | – | *DTB = 29.18 |
| 1155 | 12.95 | 1/4 | | | 15.6 | 935 | 7.00 | 114.6 | 1.43 | 9.0 | |
| 1200 | 12.97 | | | | 15.0 | 982 | 7.03 | 113.9 | 1.17 | 12.8 | |
| 1205 | 13.00 | | | | 15.5 | 1068 | 7.04 | 115.8 | 1.25 | 8.4 | |
| 1210 | 13.02 | | | | 15.9 | 1101 | 7.05 | 118.9 | 1.31 | 6.9 | |
| 1215 | 13.05 | | | | 16.2 | 1130 | 7.05 | 122.9 | 1.44 | 6.9 | |
| 1220 | 13.07 | | | | 15.6 | 1173 | 7.07 | 127.4 | 1.66 | 5.2 | |
| 1225 | 13.10 | | | | 15.9 | 1154 | 7.06 | 130.1 | 1.67 | 5.4 | |
| 1230 | 13.12 | | | | 15.0 | 1184 | 7.08 | 134.5 | 1.91 | 4.7 | |
| 1235 | 13.15 | | | | 14.7 | 1194 | 7.09 | 137.4 | 2.04 | 4.6 | |
| 1240 | 13.17 | | ↓ | ↓ | 14.6 | 1195 | 7.09 | 139.3 | 2.10 | 4.4 | |
| 1245 | 13.20 | ↓ | 0.027 | 1.50 | 14.5 | 1197 | 7.09 | 141.9 | 2.14 | 4.5 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why?_____

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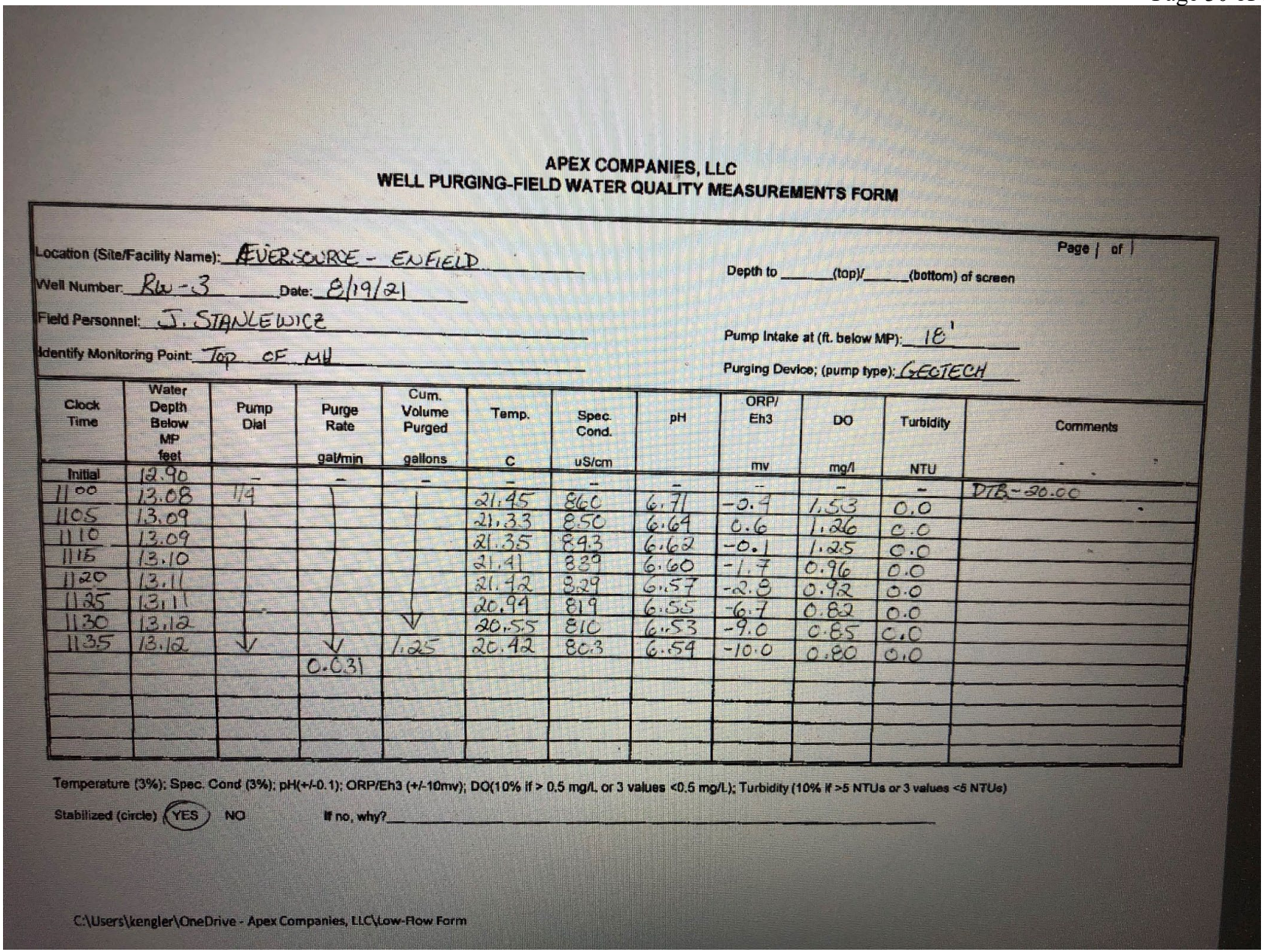

**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 1

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Well Number: RW-3 Date: 8/19/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOP OF MH

Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 18'
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 12.90 | - | - | - | - | - | - | - | - | - | |
| 1100 | 13.08 | 1/4 | | | 21.45 | 860 | 6.71 | -0.9 | 1.53 | 0.0 | DTB=20.00 |
| 1105 | 13.09 | | | | 21.33 | 850 | 6.69 | 0.6 | 1.26 | 0.0 | |
| 1110 | 13.09 | | | | 21.35 | 893 | 6.62 | -0.1 | 1.25 | 0.0 | |
| 1115 | 13.10 | | | | 21.41 | 889 | 6.60 | -1.7 | 0.96 | 0.0 | |
| 1120 | 13.11 | | | | 21.42 | 829 | 6.57 | -2.8 | 0.92 | 0.0 | |
| 1125 | 13.11 | | | | 20.99 | 819 | 6.55 | -6.7 | 0.82 | 0.0 | |
| 1130 | 13.12 | | | | 20.55 | 810 | 6.53 | -9.0 | 0.85 | 0.0 | |
| 1135 | 13.12 | | 0.031 | 1.25 | 20.42 | 803 | 6.54 | -10.0 | 0.80 | 0.0 | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why?_____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page / of /

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Depth to _____(top)/_____(bottom) of screen
Well Number: RW-9 Date: 8/19/21
Field Personnel: J. STANLEWICZ
Pump Intake at (ft. below MP): 22'
Identify Monitoring Point: TOP OF MH
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 12.49 | - | - | - | - | - | - | - | - | - | DTB - 29.55 |
| 1225 | 12.50 | 1/4 | | | 22.05 | 465 | 6.00 | 69.8 | 4.88 | 106.0 | |
| 1230 | 12.51 | | | | 21.59 | 448 | 5.85 | 90.2 | 4.70 | 50.5 | |
| 1235 | 12.51 | | | | 21.08 | 440 | 5.84 | 97.2 | 4.63 | 18.1 | |
| 1240 | 12.52 | | | | 20.75 | 434 | 5.89 | 92.8 | 4.61 | 6.8 | |
| 1245 | 12.54 | | | | 20.58 | 432 | 5.97 | 91.0 | 4.63 | 0.1 | |
| 1250 | 12.55 | | | | 20.52 | 431 | 6.04 | 83.6 | 4.60 | 0.0 | |
| 1255 | 12.56 | | ↓ | ↓ | 20.49 | 431 | 6.05 | 80.8 | 4.60 | 0.0 | |
| 1300 | 12.57 | ↓ | 0.031 | 1.25 | 20.54 | 430 | 6.10 | 76.2 | 4.61 | 0.0 | |
| | | | | | | | | | | | |
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Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why?_____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 1

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Well Number: RW-5 Date: 8/19/21
Field Personnel: J. STAHLEWICZ
Identify Monitoring Point: TOP OF MH
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 20'
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 10.22 | - | - | - | - | - | - | - | - | - | DTB - 21.70 |
| 1345 | 10.34 | 14 | | | 21.81 | 787 | 6.03 | 69.2 | 1.97 | 1.5 | |
| 1350 | 10.34 | | | | 21.26 | 775 | 5.92 | 95.5 | 1.51 | 0.0 | |
| 1355 | 10.35 | | | | 21.27 | 776 | 5.91 | 97.7 | 1.45 | 0.0 | |
| 1400 | 10.36 | | | | 21.16 | 773 | 5.92 | 91.8 | 1.32 | 0.0 | |
| 1405 | 10.36 | | | | 21.02 | 770 | 5.94 | 86.3 | 1.17 | 0.0 | |
| 1410 | 10.37 | | | | 20.88 | 767 | 5.94 | 83.0 | 1.28 | 0.0 | |
| 1415 | 10.38 | | ↓ | ↓ | 20.94 | 768 | 5.95 | 79.6 | 1.16 | 0.0 | |
| 1420 | 10.38 | ↓ | | | 20.97 | 768 | 5.95 | 78.9 | 1.22 | 0.0 | |
| 1425 | 10.39 | | | | 20.90 | 768 | 5.95 | 77.2 | 1.10 | 0.0 | |
| 1430 | 10.41 | | | | 20.83 | 767 | 5.98 | 72.3 | 1.23 | 0.0 | |
| 1435 | 10.42 | | ↓ | ↓ | 20.78 | 766 | 6.00 | 64.7 | 1.13 | 0.0 | |
| 1440 | 10.43 | ↓ | 0.029 | 1.75 | 20.67 | 764 | 6.09 | 55.8 | 1.18 | 0.0 | |
| | | | | | | | | | | | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why? ORP

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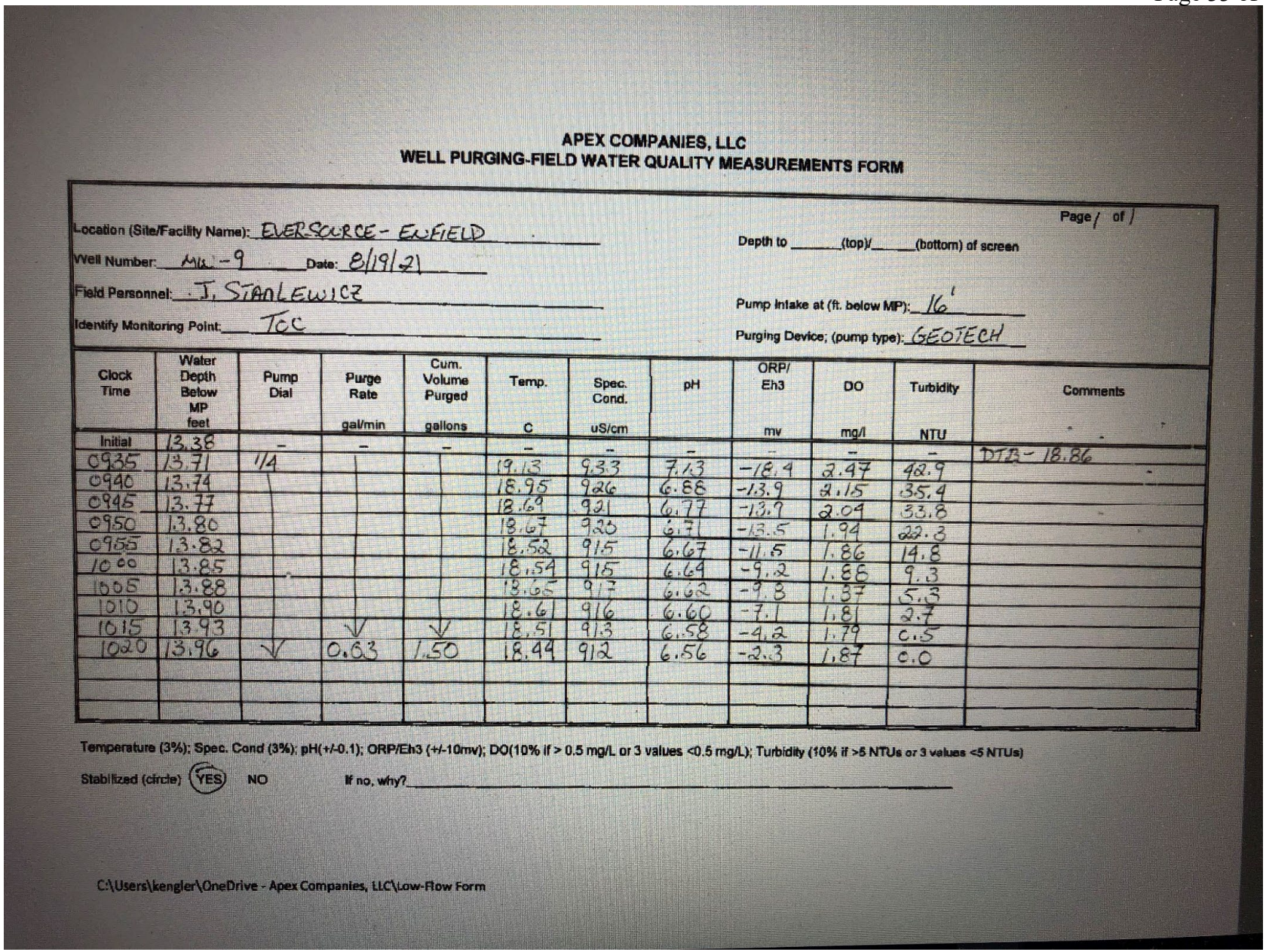

**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 1

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Depth to _____(top)/_____(bottom) of screen
Well Number: MW-9 Date: 8/19/21
Field Personnel: J. STANLEWICZ
Pump Intake at (ft. below MP): 16'
Identify Monitoring Point: TOC
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 13.38 | - | - | - | - | - | - | - | - | - | DTB - 18.86 |
| 0935 | 13.71 | 1/4 | | | 19.13 | 933 | 7.13 | -18.4 | 2.47 | 48.9 | |
| 0940 | 13.74 | | | | 18.95 | 926 | 6.88 | -13.9 | 2.15 | 35.4 | |
| 0945 | 13.77 | | | | 18.69 | 921 | 6.77 | -13.7 | 2.04 | 33.8 | |
| 0950 | 13.80 | | | | 18.67 | 920 | 6.71 | -13.5 | 1.94 | 22.3 | |
| 0955 | 13.82 | | | | 18.52 | 915 | 6.67 | -11.5 | 1.86 | 14.8 | |
| 1000 | 13.85 | | | | 18.54 | 915 | 6.64 | -9.2 | 1.85 | 9.3 | |
| 1005 | 13.88 | | | | 18.65 | 917 | 6.62 | -9.8 | 1.37 | 5.3 | |
| 1010 | 13.90 | | | | 18.61 | 916 | 6.60 | -7.1 | 1.81 | 2.7 | |
| 1015 | 13.93 | | ↓ | ↓ | 18.51 | 913 | 6.58 | -4.2 | 1.79 | 0.5 | |
| 1020 | 13.96 | ↓ | 0.03 | 1.50 | 18.44 | 912 | 6.56 | -2.3 | 1.87 | 0.0 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) (YES) NO If no, why?_____

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 1

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Well Number: MW-12 Date: 8/20/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 20'
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 5.48 | – | – | – | – | – | – | – | – | – | |
| 09.35 | 6.25 | 1/4 | | | 22.29 | 555.3 | 6.46 | -103.8 | 1.23 | 0.0 | DTB - 21.90 |
| 0940 | 6.34 | | | | 21.78 | 546 | 6.42 | -102.5 | 1.20 | 0.0 | |
| 0945 | 6.44 | | | | 21.52 | 542 | 6.39 | -105.1 | 0.90 | 0.0 | |
| 0950 | 6.53 | | | | 21.20 | 537 | 6.38 | -106.4 | 0.86 | 0.0 | |
| 0955 | 6.63 | | | | 21.06 | 535 | 6.37 | -106.5 | 0.83 | 0.0 | |
| 1000 | 6.72 | | | | 20.97 | 534 | 6.37 | -100.1 | 0.71 | 0.0 | |
| 1005 | 6.82 | | | | 20.88 | 532 | 6.37 | -96.6 | 0.70 | 0.0 | |
| 1010 | 6.91 | | | | 20.89 | 532 | 6.36 | -82.5 | 0.75 | 0.0 | |
| 1015 | 7.01 | | | | 21.03 | 532 | 6.36 | -71.9 | 0.88 | 0.0 | |
| 1020 | 7.10 | | | | 21.04 | 532 | 6.36 | -67.3 | 0.75 | 0.0 | |
| 1025 | 7.20 | | ↓ | ↓ | 21.06 | 532 | 6.35 | -71.0 | 0.67 | 0.0 | |
| 1030 | 7.30 | ↓ | 0.041 | 2.5 | 20.88 | 530 | 6.35 | -64.5 | 0.69 | 0.0 | |
| | | | | | | | | | | | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) YES (NO) If no, why? D.O

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**APEX COMPANIES, LLC**
**WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM**

Page 1 of 1

Location (Site/Facility Name): EVERSOURCE - ENFIELD
Depth to _____(top)/_____(bottom) of screen
Well Number: MW-13 Date: 8/20/21
Field Personnel: J. STANLEWICZ
Pump Intake at (ft. below MP): 17'
Identify Monitoring Point: TOC
Purging Device; (pump type): GEOTECH

| Clock Time | Water Depth Below MP feet | Pump Dial | Purge Rate gal/min | Cum. Volume Purged gallons | Temp. C | Spec. Cond. uS/cm | pH | ORP/ Eh3 mv | DO mg/l | Turbidity NTU | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial | 10.62 | – | – | – | – | – | – | – | | – | DTB - 18.62 |
| 1105 | 10.97 | 1/4 | | | 20.17 | 474 | 6.47 | 33.7 | 2.46 | 108.5 | |
| 1110 | 11.07 | | | | 20.12 | 473 | 6.42 | 44.4 | 2.15 | 108.5 | |
| 1115 | 11.17 | | | | 19.91 | 471 | 6.38 | 51.5 | 2.09 | 91.6 | |
| 1120 | 11.27 | | | | 19.82 | 469 | 6.38 | 54.2 | 2.06 | 106.8 | |
| 1125 | 11.37 | | | | 19.73 | 468 | 6.37 | 55.1 | 2.04 | 101.1 | |
| 1130 | 11.47 | | | | 19.62 | 467 | 6.37 | 58.1 | 2.05 | 75.9 | |
| 1135 | 11.57 | | | | 19.55 | 466 | 6.37 | 58.1 | 1.99 | 68.3 | |
| 1140 | 11.67 | | | | 19.55 | 466 | 6.38 | 58.2 | 2.04 | 58.4 | |
| 1145 | 11.77 | | | | 19.53 | 466 | 6.38 | 58.5 | 2.02 | 51.5 | |
| 1150 | 11.87 | | | | 19.57 | 467 | 6.38 | 58.3 | 1.98 | 40.7 | |
| 1155 | 11.97 | | ↓ | ↓ | 19.74 | 469 | 6.39 | 57.3 | 1.96 | 33.6 | |
| 1200 | 12.06 | ↓ | 0.029 | 1.75 | 19.75 | 469 | 6.40 | 55.9 | 1.88 | 27.7 | |

Temperature (3%); Spec. Cond (3%); pH(+/-0.1); ORP/Eh3 (+/-10mv); DO(10% if > 0.5 mg/L or 3 values <0.5 mg/L); Turbidity (10% if >5 NTUs or 3 values <5 NTUs)

Stabilized (circle) YES (NO) If no, why? TURBIDITY

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# *APPENDIX B*

# *LABORATORY ANALYTICAL REPORT - GROUNDWATER*

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

May 28, 2021

Don Wilson
Apex Companies, LLC - South Windsor, CT
58 (H) Connecticut Avenue
South Windsor, CT 06074

Project Location: Enfield, CT
Client Job Number:
Project Number: 6089-012
Laboratory Work Order Number: 21E0764

Enclosed are results of analyses for samples received by the laboratory on May 13, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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Apex Companies, LLC - South Windsor, CT
58 (H) Connecticut Avenue
South Windsor, CT 06074
ATTN: Don Wilson

REPORT DATE: 5/28/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-012

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 21E0764

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

PROJECT LOCATION: Enfield, CT

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| MW-12 | 21E0764-01 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| MW-13 | 21E0764-02 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| MW-9 | 21E0764-03 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| RW-5 | 21E0764-04 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| TB | 21E0764-05 | Ground Water | | SW-846 8260C-D | |
| RW-4 | 21E0764-06 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| RW-3 | 21E0764-07 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| FD | 21E0764-08 | Field Blank | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |

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**CASE NARRATIVE SUMMARY**

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

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

**SW-846 8260C-D**

**Qualifications:**

**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:**

**Bromomethane**
21E0764-03[MW-9], 21E0764-04[RW-5], 21E0764-05[TB], 21E0764-06[RW-4], 21E0764-07[RW-3], 21E0764-08[FD], B282051-BLK1, B282051-BS1, S059670-CCV1

**trans-1,4-Dichloro-2-butene**
21E0764-03[MW-9], 21E0764-04[RW-5], 21E0764-05[TB], 21E0764-06[RW-4], 21E0764-07[RW-3], 21E0764-08[FD], B282051-BLK1, B282051-BS1, S059670-CCV1

**V-16**

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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

**1,2-Dibromo-3-chloropropane (DB**
21E0764-03[MW-9], 21E0764-04[RW-5], 21E0764-05[TB], 21E0764-06[RW-4], 21E0764-07[RW-3], 21E0764-08[FD], B282051-BLK1, B282051-BS1, S059670-CCV1

**Tetrahydrofuran**
21E0764-03[MW-9], 21E0764-04[RW-5], 21E0764-05[TB], 21E0764-06[RW-4], 21E0764-07[RW-3], 21E0764-08[FD], B282051-BLK1, B282051-BS1, S059670-CCV1

**trans-1,4-Dichloro-2-butene**
21E0764-03[MW-9], 21E0764-04[RW-5], 21E0764-05[TB], 21E0764-06[RW-4], 21E0764-07[RW-3], 21E0764-08[FD], B282051-BLK1, B282051-BS1, S059670-CCV1

**V-34**

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

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

**Bromomethane**
21E0764-03[MW-9], 21E0764-04[RW-5], 21E0764-05[TB], 21E0764-06[RW-4], 21E0764-07[RW-3], 21E0764-08[FD], B282051-BLK1, B282051-BS1, S059670-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.

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: MW-12** | Sampled: 5/12/2021 11:00

**Sample ID: 21E0764-01**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Arsenic | 1.4 | 0.80 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Barium | 460 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Chromium | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Copper | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 5/17/21 | 5/18/21 14:16 | CJV |
| Nickel | 6.6 | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:46 | MJH |

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Project Location: Enfield, CT
Sample Description:
Work Order: 21E0764
Date Received: 5/13/2021
**Field Sample #: MW-13**
Sampled: 5/12/2021 12:50
**Sample ID: 21E0764-02**
Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 1.1 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Arsenic | 10 | 0.80 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Barium | 230 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Cadmium | 0.43 | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Chromium | 1.1 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Copper | 5.0 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 5/17/21 | 5/18/21 14:18 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |
| Zinc | 110 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:49 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: MW-9** | Sampled: 5/12/2021 14:45

**Sample ID: 21E0764-03**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Chloromethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | V-05, V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: MW-9** | Sampled: 5/12/2021 14:45

**Sample ID: 21E0764-03**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Methyl Cyclohexane | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:06 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 89.5 | 70-130 | | 5/14/21 17:06 |
| Toluene-d8 | 99.3 | 70-130 | | 5/14/21 17:06 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 5/14/21 17:06 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764
Date Received: 5/13/2021
**Field Sample #: MW-9** | Sampled: 5/12/2021 14:45
**Sample ID: 21E0764-03**
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 | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Acenaphthylene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Benzo(a)anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Benzo(a)pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Benzo(b)fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Benzo(g,h,i)perylene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Benzo(k)fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Chrysene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Dibenz(a,h)anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Fluorene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Indeno(1,2,3-cd)pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| 2-Methylnaphthalene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Naphthalene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Phenanthrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |
| Pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/19/21 | 5/22/21 10:59 | BGL |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | | |
|---|---|---|---|---|---|
| Nitrobenzene-d5 | 76.3 | 30-130 | | | 5/22/21 10:59 |
| 2-Fluorobiphenyl | 81.6 | 30-130 | | | 5/22/21 10:59 |
| p-Terphenyl-d14 | 102 | 30-130 | | | 5/22/21 10:59 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: MW-9** | Sampled: 5/12/2021 14:45

**Sample ID: 21E0764-03**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Barium | 400 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Chromium | 1.0 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Copper | 1.4 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 5/17/21 | 5/18/21 14:19 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:53 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-5** | Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-04**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Chloromethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | V-05, V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-5** | Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-04**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Methyl Cyclohexane | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Tetrachloroethylene | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:00 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 89.2 | 70-130 | | 5/14/21 18:00 |
| Toluene-d8 | 98.5 | 70-130 | | 5/14/21 18:00 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 5/14/21 18:00 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-5** | Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-04**

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 | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Acenaphthylene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Benzo(a)anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Benzo(a)pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Benzo(b)fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Benzo(g,h,i)perylene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Benzo(k)fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Chrysene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Dibenz(a,h)anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Fluorene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Indeno(1,2,3-cd)pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| 2-Methylnaphthalene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Naphthalene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Phenanthrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |
| Pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:25 | BGL |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 61.2 | 30-130 | | 5/22/21 11:25 |
| 2-Fluorobiphenyl | 66.2 | 30-130 | | 5/22/21 11:25 |
| p-Terphenyl-d14 | 82.2 | 30-130 | | 5/22/21 11:25 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-5** | Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-04**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Barium | 250 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Chromium | 1.1 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Copper | 3.9 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Lead | 1.5 | 0.50 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 5/17/21 | 5/18/21 14:21 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |
| Zinc | 19 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:56 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: TB** | Sampled: 7/10/2020 00:00

**Sample ID: 21E0764-05**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Chloromethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | V-05, V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764
Date Received: 5/13/2021
**Field Sample #: TB** | Sampled: 7/10/2020 00:00
**Sample ID: 21E0764-05**
Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Methyl Cyclohexane | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:27 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 88.1 | 70-130 | | 5/14/21 18:27 |
| Toluene-d8 | 97.7 | 70-130 | | 5/14/21 18:27 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 5/14/21 18:27 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-4** | Sampled: 5/13/2021 10:50

**Sample ID: 21E0764-06**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Chloromethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | V-05, V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-4** | Sampled: 5/13/2021 10:50

**Sample ID: 21E0764-06**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Methyl Cyclohexane | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 18:54 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 87.2 | 70-130 | | 5/14/21 18:54 |
| Toluene-d8 | 99.9 | 70-130 | | 5/14/21 18:54 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 5/14/21 18:54 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764
Date Received: 5/13/2021
**Field Sample #: RW-4** | Sampled: 5/13/2021 10:50
**Sample ID: 21E0764-06**
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 | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Acenaphthylene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Benzo(a)anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Benzo(a)pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Benzo(b)fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Benzo(g,h,i)perylene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Benzo(k)fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Chrysene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Dibenz(a,h)anthracene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Fluoranthene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Fluorene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Indeno(1,2,3-cd)pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| 2-Methylnaphthalene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Naphthalene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Phenanthrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |
| Pyrene | ND | 4.9 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 11:52 | BGL |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 69.6 | 30-130 | | 5/22/21 11:52 |
| 2-Fluorobiphenyl | 75.5 | 30-130 | | 5/22/21 11:52 |
| p-Terphenyl-d14 | 92.5 | 30-130 | | 5/22/21 11:52 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-4** | Sampled: 5/13/2021 10:50

**Sample ID: 21E0764-06**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Barium | 170 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Chromium | 1.4 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Copper | 88 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 5/17/21 | 5/18/21 14:23 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 14:59 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-3** | Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-07**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Chloromethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | V-05, V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1-Dichloroethane | 0.74 | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-3** | Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-07**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Methyl Cyclohexane | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 17:33 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 88.6 | 70-130 | | 5/14/21 17:33 |
| Toluene-d8 | 99.2 | 70-130 | | 5/14/21 17:33 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 5/14/21 17:33 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-3** | Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-07**

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 | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Acenaphthylene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Anthracene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Benzo(a)anthracene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Benzo(a)pyrene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Benzo(b)fluoranthene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Benzo(g,h,i)perylene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Benzo(k)fluoranthene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Chrysene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Dibenz(a,h)anthracene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Fluoranthene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Fluorene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Indeno(1,2,3-cd)pyrene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| 2-Methylnaphthalene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Naphthalene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Phenanthrene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |
| Pyrene | ND | 5.0 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:19 | BGL |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 65.6 | 30-130 | | 5/22/21 12:19 |
| 2-Fluorobiphenyl | 68.1 | 30-130 | | 5/22/21 12:19 |
| p-Terphenyl-d14 | 78.4 | 30-130 | | 5/22/21 12:19 |

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Project Location: Enfield, CT
Sample Description:
Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: RW-3**
Sampled: 5/13/2021 12:50

**Sample ID: 21E0764-07**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Arsenic | 1.3 | 0.80 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Barium | 470 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Cadmium | 0.64 | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Chromium | 1.5 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Copper | 17 | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Lead | 2.0 | 0.50 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 5/17/21 | 5/18/21 14:25 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |
| Zinc | 33 | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:09 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: FD** | Sampled: 5/13/2021 13:10

**Sample ID: 21E0764-08**

Sample Matrix: Field Blank

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Bromoform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Bromomethane | ND | 2.0 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Chloromethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | V-05, V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: FD** | Sampled: 5/13/2021 13:10

**Sample ID: 21E0764-08**

Sample Matrix: Field Blank

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Methyl Cyclohexane | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | V-16 | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 5/14/21 | 5/14/21 19:21 | EEH |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 88.6 | 70-130 | | 5/14/21 19:21 |
| Toluene-d8 | 99.0 | 70-130 | | 5/14/21 19:21 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 5/14/21 19:21 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764
Date Received: 5/13/2021
**Field Sample #: FD** | Sampled: 5/13/2021 13:10
**Sample ID: 21E0764-08**
Sample Matrix: Field Blank

**Semivolatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Acenaphthylene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Anthracene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Benzo(a)anthracene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Benzo(a)pyrene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Benzo(b)fluoranthene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Benzo(g,h,i)perylene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Benzo(k)fluoranthene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Chrysene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Dibenz(a,h)anthracene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Fluoranthene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Fluorene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Indeno(1,2,3-cd)pyrene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| 2-Methylnaphthalene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Naphthalene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Phenanthrene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |
| Pyrene | ND | 4.8 | µg/L | 1 | | SW-846 8270D-E | 5/20/21 | 5/22/21 12:45 | BGL |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | | |
|---|---|---|---|---|---|
| Nitrobenzene-d5 | 59.6 | 30-130 | | 5/22/21 12:45 | |
| 2-Fluorobiphenyl | 64.9 | 30-130 | | 5/22/21 12:45 | |
| p-Terphenyl-d14 | 88.0 | 30-130 | | 5/22/21 12:45 | |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21E0764

Date Received: 5/13/2021

**Field Sample #: FD** | Sampled: 5/13/2021 13:10

**Sample ID: 21E0764-08**

Sample Matrix: Field Blank

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Barium | ND | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Chromium | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Copper | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 5/17/21 | 5/18/21 14:27 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 5/14/21 | 5/17/21 15:12 | MJH |

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**Sample Extraction Data**

**Prep Method: SW-846 3005A** **Analytical Method: SW-846 6020B**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21E0764-01 [MW-12] | B282076 | 50.0 | 50.0 | 05/14/21 |
| 21E0764-02 [MW-13] | B282076 | 50.0 | 50.0 | 05/14/21 |
| 21E0764-03 [MW-9] | B282076 | 50.0 | 50.0 | 05/14/21 |
| 21E0764-04 [RW-5] | B282076 | 50.0 | 50.0 | 05/14/21 |
| 21E0764-06 [RW-4] | B282076 | 50.0 | 50.0 | 05/14/21 |
| 21E0764-07 [RW-3] | B282076 | 50.0 | 50.0 | 05/14/21 |
| 21E0764-08 [FD] | B282076 | 50.0 | 50.0 | 05/14/21 |

**Prep Method: SW-846 7470A Prep** **Analytical Method: SW-846 7470A**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21E0764-01 [MW-12] | B282140 | 6.00 | 6.00 | 05/17/21 |
| 21E0764-02 [MW-13] | B282140 | 6.00 | 6.00 | 05/17/21 |
| 21E0764-03 [MW-9] | B282140 | 6.00 | 6.00 | 05/17/21 |
| 21E0764-04 [RW-5] | B282140 | 6.00 | 6.00 | 05/17/21 |
| 21E0764-06 [RW-4] | B282140 | 6.00 | 6.00 | 05/17/21 |
| 21E0764-07 [RW-3] | B282140 | 6.00 | 6.00 | 05/17/21 |
| 21E0764-08 [FD] | B282140 | 6.00 | 6.00 | 05/17/21 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21E0764-03 [MW-9] | B282051 | 5 | 5.00 | 05/14/21 |
| 21E0764-04 [RW-5] | B282051 | 5 | 5.00 | 05/14/21 |
| 21E0764-05 [TB] | B282051 | 5 | 5.00 | 05/14/21 |
| 21E0764-06 [RW-4] | B282051 | 5 | 5.00 | 05/14/21 |
| 21E0764-07 [RW-3] | B282051 | 5 | 5.00 | 05/14/21 |
| 21E0764-08 [FD] | B282051 | 5 | 5.00 | 05/14/21 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21E0764-03 [MW-9] | B282329 | 1030 | 1.00 | 05/19/21 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21E0764-04 [RW-5] | B282433 | 1020 | 1.00 | 05/20/21 |
| 21E0764-06 [RW-4] | B282433 | 1020 | 1.00 | 05/20/21 |
| 21E0764-07 [RW-3] | B282433 | 1000 | 1.00 | 05/20/21 |
| 21E0764-08 [FD] | B282433 | 1040 | 1.00 | 05/20/21 |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B282051 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B282051-BLK1)** | | | | Prepared & Analyzed: 05/14/21 | | | | | | |
| Acetone | ND | 10 | µg/L | | | | | | | |
| Acrylonitrile | ND | 2.0 | µg/L | | | | | | | |
| Benzene | ND | 0.50 | µg/L | | | | | | | |
| Bromobenzene | ND | 0.50 | µg/L | | | | | | | |
| Bromodichloromethane | ND | 0.50 | µg/L | | | | | | | |
| Bromoform | ND | 0.50 | µg/L | | | | | | | |
| Bromomethane | ND | 2.0 | µg/L | | | | | | | V-05, V-34 |
| 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 | | | | | | | V-16 |
| 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 | | | | | | | V-05, V-16 |
| 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 | | | | | | | |
| Methyl Cyclohexane | ND | 1.0 | µg/L | | | | | | | |
| Methylene Chloride | ND | 5.0 | µg/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | | | | | | | |
| Naphthalene | ND | 2.0 | µg/L | | | | | | | |
| n-Propylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Styrene | ND | 1.0 | µg/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | | | | | | | |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B282051 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B282051-BLK1)** | | | | Prepared & Analyzed: 05/14/21 | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | | | | | | | |
| Tetrachloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Tetrahydrofuran | ND | 10 | µg/L | | | | | | | V-16 |
| Toluene | ND | 1.0 | µg/L | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | | | | | | | |
| Trichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | | | | | | | |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | | | | | | | |
| Vinyl Chloride | ND | 1.0 | µg/L | | | | | | | |
| m+p Xylene | ND | 2.0 | µg/L | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *22.5* | | µg/L | 25.0 | | 90.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.9* | | µg/L | 25.0 | | 99.7 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.2* | | µg/L | 25.0 | | 101 | 70-130 | | | |
| **LCS (B282051-BS1)** | | | | Prepared & Analyzed: 05/14/21 | | | | | | |
| Acetone | 96.9 | 10 | µg/L | 100 | | 96.9 | 40-160 | | | |
| Acrylonitrile | 10.6 | 2.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Benzene | 9.45 | 0.50 | µg/L | 10.0 | | 94.5 | 70-130 | | | |
| Bromobenzene | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Bromodichloromethane | 10.7 | 0.50 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Bromoform | 11.3 | 0.50 | µg/L | 10.0 | | 113 | 70-130 | | | |
| Bromomethane | 8.81 | 2.0 | µg/L | 10.0 | | 88.1 | 40-160 | | | V-05, V-34 |
| 2-Butanone (MEK) | 104 | 5.0 | µg/L | 100 | | 104 | 40-160 | | | |
| n-Butylbenzene | 9.51 | 1.0 | µg/L | 10.0 | | 95.1 | 70-130 | | | |
| sec-Butylbenzene | 9.60 | 1.0 | µg/L | 10.0 | | 96.0 | 70-130 | | | |
| tert-Butylbenzene | 9.78 | 1.0 | µg/L | 10.0 | | 97.8 | 70-130 | | | |
| Carbon Disulfide | 91.8 | 5.0 | µg/L | 100 | | 91.8 | 70-130 | | | |
| Carbon Tetrachloride | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | |
| Chlorobenzene | 10.4 | 0.50 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Chlorodibromomethane | 11.1 | 0.50 | µg/L | 10.0 | | 111 | 40-160 | | | |
| Chloroethane | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Chloroform | 9.98 | 0.50 | µg/L | 10.0 | | 99.8 | 70-130 | | | |
| Chloromethane | 9.53 | 0.60 | µg/L | 10.0 | | 95.3 | 40-160 | | | |
| 2-Chlorotoluene | 9.78 | 0.50 | µg/L | 10.0 | | 97.8 | 70-130 | | | |
| 4-Chlorotoluene | 10.4 | 0.50 | µg/L | 10.0 | | 104 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 9.85 | 1.0 | µg/L | 10.0 | | 98.5 | 70-130 | | | V-16 |
| 1,2-Dibromoethane (EDB) | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | | | |
| Dibromomethane | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,2-Dichlorobenzene | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | |
| 1,3-Dichlorobenzene | 9.93 | 0.50 | µg/L | 10.0 | | 99.3 | 70-130 | | | |
| 1,4-Dichlorobenzene | 9.97 | 0.50 | µg/L | 10.0 | | 99.7 | 70-130 | | | |
| trans-1,4-Dichloro-2-butene | 10.2 | 2.0 | µg/L | 10.0 | | 102 | 70-130 | | | V-05, V-16 |
| Dichlorodifluoromethane (Freon 12) | 9.84 | 0.50 | µg/L | 10.0 | | 98.4 | 40-160 | | | |
| 1,1-Dichloroethane | 9.93 | 0.50 | µg/L | 10.0 | | 99.3 | 70-130 | | | |
| 1,2-Dichloroethane | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B282051 - SW-846 5030B** | | | | | | | | | | |
| **LCS (B282051-BS1)** | | | | Prepared & Analyzed: 05/14/21 | | | | | | |
| 1,1-Dichloroethylene | 9.61 | 0.50 | µg/L | 10.0 | | 96.1 | 70-130 | | | |
| cis-1,2-Dichloroethylene | 9.96 | 0.50 | µg/L | 10.0 | | 99.6 | 70-130 | | | |
| trans-1,2-Dichloroethylene | 8.98 | 1.0 | µg/L | 10.0 | | 89.8 | 70-130 | | | |
| 1,2-Dichloropropane | 10.7 | 0.50 | µg/L | 10.0 | | 107 | 70-130 | | | |
| 1,3-Dichloropropane | 10.8 | 0.50 | µg/L | 10.0 | | 108 | 70-130 | | | |
| 2,2-Dichloropropane | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | |
| 1,1-Dichloropropene | 9.58 | 0.50 | µg/L | 10.0 | | 95.8 | 70-130 | | | |
| cis-1,3-Dichloropropene | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| trans-1,3-Dichloropropene | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Ethylbenzene | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |
| Hexachlorobutadiene | 9.63 | 0.60 | µg/L | 10.0 | | 96.3 | 40-160 | | | |
| 2-Hexanone (MBK) | 112 | 5.0 | µg/L | 100 | | 112 | 70-130 | | | |
| Isopropylbenzene (Cumene) | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |
| p-Isopropyltoluene (p-Cymene) | 9.57 | 0.50 | µg/L | 10.0 | | 95.7 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Methyl Cyclohexane | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | |
| Methylene Chloride | 10.4 | 5.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 112 | 5.0 | µg/L | 100 | | 112 | 40-160 | | | |
| Naphthalene | 9.84 | 2.0 | µg/L | 10.0 | | 98.4 | 70-130 | | | |
| n-Propylbenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Styrene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| 1,1,1,2-Tetrachloroethane | 10.9 | 0.50 | µg/L | 10.0 | | 109 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 11.1 | 0.50 | µg/L | 10.0 | | 111 | 70-130 | | | |
| Tetrachloroethylene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Tetrahydrofuran | 9.52 | 10 | µg/L | 10.0 | | 95.2 | 70-130 | | | V-16 |
| Toluene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 9.98 | 0.50 | µg/L | 10.0 | | 99.8 | 70-130 | | | |
| 1,1,1-Trichloroethane | 9.87 | 0.50 | µg/L | 10.0 | | 98.7 | 70-130 | | | |
| 1,1,2-Trichloroethane | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Trichloroethylene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 10.1 | 2.0 | µg/L | 10.0 | | 101 | 40-160 | | | |
| 1,2,3-Trichloropropane | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 9.54 | 0.50 | µg/L | 10.0 | | 95.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |
| Vinyl Chloride | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | | | |
| m+p Xylene | 20.6 | 2.0 | µg/L | 20.0 | | 103 | 70-130 | | | |
| o-Xylene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *23.1* | | µg/L | 25.0 | | 92.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.0* | | µg/L | 25.0 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.6* | | µg/L | 25.0 | | 102 | 70-130 | | | |

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**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 B282329 - SW-846 3510C** | | | | | | | | | | |
| **Blank (B282329-BLK1)** | | | | Prepared: 05/19/21 Analyzed: 05/20/21 | | | | | | |
| Acenaphthene | ND | 5.0 | µg/L | | | | | | | |
| Acenaphthylene | ND | 5.0 | µg/L | | | | | | | |
| Anthracene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(a)anthracene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(a)pyrene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(b)fluoranthene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(g,h,i)perylene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(k)fluoranthene | ND | 5.0 | µg/L | | | | | | | |
| Chrysene | ND | 5.0 | µg/L | | | | | | | |
| Dibenz(a,h)anthracene | ND | 5.0 | µg/L | | | | | | | |
| Fluoranthene | ND | 5.0 | µg/L | | | | | | | |
| Fluorene | ND | 5.0 | µg/L | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 5.0 | µg/L | | | | | | | |
| 2-Methylnaphthalene | ND | 5.0 | µg/L | | | | | | | |
| Naphthalene | ND | 5.0 | µg/L | | | | | | | |
| Phenanthrene | ND | 5.0 | µg/L | | | | | | | |
| Pyrene | ND | 5.0 | µg/L | | | | | | | |
| Surrogate: Nitrobenzene-d5 | *65.3* | | µg/L | 100 | | 65.3 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *69.2* | | µg/L | 100 | | 69.2 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *92.4* | | µg/L | 100 | | 92.4 | 30-130 | | | |
| **LCS (B282329-BS1)** | | | | Prepared: 05/19/21 Analyzed: 05/20/21 | | | | | | |
| Acenaphthene | 34.2 | 5.0 | µg/L | 50.0 | | 68.5 | 40-140 | | | |
| Acenaphthylene | 33.7 | 5.0 | µg/L | 50.0 | | 67.5 | 40-140 | | | |
| Anthracene | 37.7 | 5.0 | µg/L | 50.0 | | 75.3 | 40-140 | | | |
| Benzo(a)anthracene | 37.3 | 5.0 | µg/L | 50.0 | | 74.6 | 40-140 | | | |
| Benzo(a)pyrene | 35.0 | 5.0 | µg/L | 50.0 | | 70.1 | 40-140 | | | |
| Benzo(b)fluoranthene | 37.0 | 5.0 | µg/L | 50.0 | | 73.9 | 40-140 | | | |
| Benzo(g,h,i)perylene | 38.6 | 5.0 | µg/L | 50.0 | | 77.2 | 40-140 | | | |
| Benzo(k)fluoranthene | 37.0 | 5.0 | µg/L | 50.0 | | 74.0 | 40-140 | | | |
| Chrysene | 37.2 | 5.0 | µg/L | 50.0 | | 74.4 | 40-140 | | | |
| Dibenz(a,h)anthracene | 36.6 | 5.0 | µg/L | 50.0 | | 73.1 | 40-140 | | | |
| Fluoranthene | 37.1 | 5.0 | µg/L | 50.0 | | 74.1 | 40-140 | | | |
| Fluorene | 35.1 | 5.0 | µg/L | 50.0 | | 70.2 | 40-140 | | | |
| Indeno(1,2,3-cd)pyrene | 37.3 | 5.0 | µg/L | 50.0 | | 74.6 | 40-140 | | | |
| 2-Methylnaphthalene | 34.6 | 5.0 | µg/L | 50.0 | | 69.1 | 40-140 | | | |
| Naphthalene | 29.0 | 5.0 | µg/L | 50.0 | | 58.1 | 40-140 | | | |
| Phenanthrene | 36.9 | 5.0 | µg/L | 50.0 | | 73.8 | 40-140 | | | |
| Pyrene | 36.8 | 5.0 | µg/L | 50.0 | | 73.5 | 40-140 | | | |
| Surrogate: Nitrobenzene-d5 | *69.0* | | µg/L | 100 | | 69.0 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *74.5* | | µg/L | 100 | | 74.5 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *86.8* | | µg/L | 100 | | 86.8 | 30-130 | | | |

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**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 B282329 - SW-846 3510C** | | | | | | | | | | |
| **LCS Dup (B282329-BSD1)** | | | | Prepared: 05/19/21 Analyzed: 05/20/21 | | | | | | |
| Acenaphthene | 30.2 | 5.0 | µg/L | 50.0 | | 60.4 | 40-140 | 12.5 | 20 | |
| Acenaphthylene | 30.2 | 5.0 | µg/L | 50.0 | | 60.5 | 40-140 | 10.9 | 20 | |
| Anthracene | 32.7 | 5.0 | µg/L | 50.0 | | 65.5 | 40-140 | 14.0 | 20 | |
| Benzo(a)anthracene | 33.3 | 5.0 | µg/L | 50.0 | | 66.6 | 40-140 | 11.4 | 20 | |
| Benzo(a)pyrene | 30.6 | 5.0 | µg/L | 50.0 | | 61.3 | 40-140 | 13.5 | 20 | |
| Benzo(b)fluoranthene | 32.1 | 5.0 | µg/L | 50.0 | | 64.2 | 40-140 | 14.1 | 20 | |
| Benzo(g,h,i)perylene | 33.6 | 5.0 | µg/L | 50.0 | | 67.1 | 40-140 | 14.0 | 20 | |
| Benzo(k)fluoranthene | 32.6 | 5.0 | µg/L | 50.0 | | 65.3 | 40-140 | 12.5 | 20 | |
| Chrysene | 32.7 | 5.0 | µg/L | 50.0 | | 65.5 | 40-140 | 12.8 | 20 | |
| Dibenz(a,h)anthracene | 31.4 | 5.0 | µg/L | 50.0 | | 62.9 | 40-140 | 15.1 | 20 | |
| Fluoranthene | 32.1 | 5.0 | µg/L | 50.0 | | 64.2 | 40-140 | 14.3 | 20 | |
| Fluorene | 31.3 | 5.0 | µg/L | 50.0 | | 62.6 | 40-140 | 11.4 | 20 | |
| Indeno(1,2,3-cd)pyrene | 32.2 | 5.0 | µg/L | 50.0 | | 64.5 | 40-140 | 14.5 | 50 | ‡ |
| 2-Methylnaphthalene | 31.6 | 5.0 | µg/L | 50.0 | | 63.1 | 40-140 | 9.08 | 20 | |
| Naphthalene | 26.8 | 5.0 | µg/L | 50.0 | | 53.6 | 40-140 | 7.95 | 20 | |
| Phenanthrene | 32.8 | 5.0 | µg/L | 50.0 | | 65.5 | 40-140 | 11.9 | 20 | |
| Pyrene | 32.5 | 5.0 | µg/L | 50.0 | | 64.9 | 40-140 | 12.4 | 20 | |
| Surrogate: Nitrobenzene-d5 | *62.1* | | µg/L | 100 | | 62.1 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *63.6* | | µg/L | 100 | | 63.6 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *77.0* | | µg/L | 100 | | 77.0 | 30-130 | | | |
| **Batch B282433 - SW-846 3510C** | | | | | | | | | | |
| **Blank (B282433-BLK1)** | | | | Prepared: 05/20/21 Analyzed: 05/21/21 | | | | | | |
| Acenaphthene | ND | 5.0 | µg/L | | | | | | | |
| Acenaphthylene | ND | 5.0 | µg/L | | | | | | | |
| Anthracene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(a)anthracene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(a)pyrene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(b)fluoranthene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(g,h,i)perylene | ND | 5.0 | µg/L | | | | | | | |
| Benzo(k)fluoranthene | ND | 5.0 | µg/L | | | | | | | |
| Chrysene | ND | 5.0 | µg/L | | | | | | | |
| Dibenz(a,h)anthracene | ND | 5.0 | µg/L | | | | | | | |
| Fluoranthene | ND | 5.0 | µg/L | | | | | | | |
| Fluorene | ND | 5.0 | µg/L | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 5.0 | µg/L | | | | | | | |
| 2-Methylnaphthalene | ND | 5.0 | µg/L | | | | | | | |
| Naphthalene | ND | 5.0 | µg/L | | | | | | | |
| Phenanthrene | ND | 5.0 | µg/L | | | | | | | |
| Pyrene | ND | 5.0 | µg/L | | | | | | | |
| Surrogate: Nitrobenzene-d5 | *40.2* | | µg/L | 100 | | 40.2 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *45.4* | | µg/L | 100 | | 45.4 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *79.0* | | µg/L | 100 | | 79.0 | 30-130 | | | |

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**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 B282433 - SW-846 3510C** | | | | | | | | | | |
| **LCS (B282433-BS1)** | | | | Prepared: 05/20/21 Analyzed: 05/21/21 | | | | | | |
| Acenaphthene | 26.7 | 5.0 | µg/L | 50.0 | | 53.4 | 40-140 | | | |
| Acenaphthylene | 27.8 | 5.0 | µg/L | 50.0 | | 55.5 | 40-140 | | | |
| Anthracene | 32.2 | 5.0 | µg/L | 50.0 | | 64.4 | 40-140 | | | |
| Benzo(a)anthracene | 32.6 | 5.0 | µg/L | 50.0 | | 65.2 | 40-140 | | | |
| Benzo(a)pyrene | 32.0 | 5.0 | µg/L | 50.0 | | 63.9 | 40-140 | | | |
| Benzo(b)fluoranthene | 33.7 | 5.0 | µg/L | 50.0 | | 67.4 | 40-140 | | | |
| Benzo(g,h,i)perylene | 34.6 | 5.0 | µg/L | 50.0 | | 69.3 | 40-140 | | | |
| Benzo(k)fluoranthene | 33.2 | 5.0 | µg/L | 50.0 | | 66.4 | 40-140 | | | |
| Chrysene | 32.5 | 5.0 | µg/L | 50.0 | | 65.1 | 40-140 | | | |
| Dibenz(a,h)anthracene | 34.5 | 5.0 | µg/L | 50.0 | | 69.0 | 40-140 | | | |
| Fluoranthene | 32.9 | 5.0 | µg/L | 50.0 | | 65.8 | 40-140 | | | |
| Fluorene | 29.1 | 5.0 | µg/L | 50.0 | | 58.2 | 40-140 | | | |
| Indeno(1,2,3-cd)pyrene | 35.9 | 5.0 | µg/L | 50.0 | | 71.8 | 40-140 | | | |
| 2-Methylnaphthalene | 25.4 | 5.0 | µg/L | 50.0 | | 50.7 | 40-140 | | | |
| Naphthalene | 21.6 | 5.0 | µg/L | 50.0 | | 43.2 | 40-140 | | | |
| Phenanthrene | 31.5 | 5.0 | µg/L | 50.0 | | 63.0 | 40-140 | | | |
| Pyrene | 31.2 | 5.0 | µg/L | 50.0 | | 62.5 | 40-140 | | | |
| Surrogate: Nitrobenzene-d5 | *48.0* | | µg/L | 100 | | 48.0 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *59.1* | | µg/L | 100 | | 59.1 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *77.8* | | µg/L | 100 | | 77.8 | 30-130 | | | |
| **LCS Dup (B282433-BSD1)** | | | | Prepared: 05/20/21 Analyzed: 05/21/21 | | | | | | |
| Acenaphthene | 27.5 | 5.0 | µg/L | 50.0 | | 55.1 | 40-140 | 3.06 | 20 | |
| Acenaphthylene | 29.0 | 5.0 | µg/L | 50.0 | | 57.9 | 40-140 | 4.27 | 20 | |
| Anthracene | 33.4 | 5.0 | µg/L | 50.0 | | 66.7 | 40-140 | 3.63 | 20 | |
| Benzo(a)anthracene | 34.0 | 5.0 | µg/L | 50.0 | | 67.9 | 40-140 | 4.00 | 20 | |
| Benzo(a)pyrene | 32.3 | 5.0 | µg/L | 50.0 | | 64.5 | 40-140 | 0.997 | 20 | |
| Benzo(b)fluoranthene | 35.5 | 5.0 | µg/L | 50.0 | | 71.0 | 40-140 | 5.23 | 20 | |
| Benzo(g,h,i)perylene | 30.6 | 5.0 | µg/L | 50.0 | | 61.3 | 40-140 | 12.2 | 20 | |
| Benzo(k)fluoranthene | 34.4 | 5.0 | µg/L | 50.0 | | 68.8 | 40-140 | 3.55 | 20 | |
| Chrysene | 33.7 | 5.0 | µg/L | 50.0 | | 67.5 | 40-140 | 3.65 | 20 | |
| Dibenz(a,h)anthracene | 31.7 | 5.0 | µg/L | 50.0 | | 63.4 | 40-140 | 8.49 | 20 | |
| Fluoranthene | 34.3 | 5.0 | µg/L | 50.0 | | 68.5 | 40-140 | 4.02 | 20 | |
| Fluorene | 31.5 | 5.0 | µg/L | 50.0 | | 63.0 | 40-140 | 8.02 | 20 | |
| Indeno(1,2,3-cd)pyrene | 32.1 | 5.0 | µg/L | 50.0 | | 64.2 | 40-140 | 11.2 | 50 | ‡ |
| 2-Methylnaphthalene | 27.5 | 5.0 | µg/L | 50.0 | | 55.1 | 40-140 | 8.20 | 20 | |
| Naphthalene | 22.4 | 5.0 | µg/L | 50.0 | | 44.7 | 40-140 | 3.37 | 20 | |
| Phenanthrene | 32.9 | 5.0 | µg/L | 50.0 | | 65.8 | 40-140 | 4.32 | 20 | |
| Pyrene | 32.4 | 5.0 | µg/L | 50.0 | | 64.8 | 40-140 | 3.68 | 20 | |
| Surrogate: Nitrobenzene-d5 | *49.7* | | µg/L | 100 | | 49.7 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *57.1* | | µg/L | 100 | | 57.1 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *77.5* | | µg/L | 100 | | 77.5 | 30-130 | | | |

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B282076 - SW-846 3005A** | | | | | | | | | | |
| **Blank (B282076-BLK1)** | | | | Prepared: 05/14/21 Analyzed: 05/17/21 | | | | | | |
| Antimony | ND | 1.0 | µg/L | | | | | | | |
| Arsenic | ND | 0.80 | µg/L | | | | | | | |
| Barium | ND | 10 | µg/L | | | | | | | |
| Beryllium | ND | 0.40 | µg/L | | | | | | | |
| Cadmium | ND | 0.20 | µg/L | | | | | | | |
| Chromium | ND | 1.0 | µg/L | | | | | | | |
| Copper | ND | 1.0 | µg/L | | | | | | | |
| Lead | ND | 0.50 | µg/L | | | | | | | |
| Nickel | ND | 5.0 | µg/L | | | | | | | |
| Selenium | ND | 5.0 | µg/L | | | | | | | |
| Silver | ND | 0.20 | µg/L | | | | | | | |
| Thallium | ND | 0.20 | µg/L | | | | | | | |
| Vanadium | ND | 5.0 | µg/L | | | | | | | |
| Zinc | ND | 10 | µg/L | | | | | | | |
| **LCS (B282076-BS1)** | | | | Prepared: 05/14/21 Analyzed: 05/17/21 | | | | | | |
| Antimony | 545 | 10 | µg/L | 500 | | 109 | 80-120 | | | |
| Arsenic | 525 | 8.0 | µg/L | 500 | | 105 | 80-120 | | | |
| Barium | 502 | 100 | µg/L | 500 | | 100 | 80-120 | | | |
| Beryllium | 514 | 4.0 | µg/L | 500 | | 103 | 80-120 | | | |
| Cadmium | 509 | 2.0 | µg/L | 500 | | 102 | 80-120 | | | |
| Chromium | 514 | 10 | µg/L | 500 | | 103 | 80-120 | | | |
| Copper | 1040 | 10 | µg/L | 1000 | | 104 | 80-120 | | | |
| Lead | 513 | 5.0 | µg/L | 500 | | 103 | 80-120 | | | |
| Nickel | 520 | 50 | µg/L | 500 | | 104 | 80-120 | | | |
| Selenium | 531 | 50 | µg/L | 500 | | 106 | 80-120 | | | |
| Silver | 493 | 2.0 | µg/L | 500 | | 98.7 | 80-120 | | | |
| Thallium | 520 | 2.0 | µg/L | 500 | | 104 | 80-120 | | | |
| Vanadium | 486 | 50 | µg/L | 500 | | 97.1 | 80-120 | | | |
| Zinc | 1060 | 100 | µg/L | 1000 | | 106 | 80-120 | | | |
| **LCS Dup (B282076-BSD1)** | | | | Prepared: 05/14/21 Analyzed: 05/17/21 | | | | | | |
| Antimony | 544 | 10 | µg/L | 500 | | 109 | 80-120 | 0.311 | 20 | |
| Arsenic | 517 | 8.0 | µg/L | 500 | | 103 | 80-120 | 1.47 | 20 | |
| Barium | 507 | 100 | µg/L | 500 | | 101 | 80-120 | 1.06 | 20 | |
| Beryllium | 508 | 4.0 | µg/L | 500 | | 102 | 80-120 | 1.21 | 20 | |
| Cadmium | 507 | 2.0 | µg/L | 500 | | 101 | 80-120 | 0.455 | 20 | |
| Chromium | 505 | 10 | µg/L | 500 | | 101 | 80-120 | 1.82 | 20 | |
| Copper | 1060 | 10 | µg/L | 1000 | | 106 | 80-120 | 1.95 | 20 | |
| Lead | 505 | 5.0 | µg/L | 500 | | 101 | 80-120 | 1.50 | 20 | |
| Nickel | 515 | 50 | µg/L | 500 | | 103 | 80-120 | 1.06 | 20 | |
| Selenium | 521 | 50 | µg/L | 500 | | 104 | 80-120 | 1.75 | 20 | |
| Silver | 487 | 2.0 | µg/L | 500 | | 97.4 | 80-120 | 1.28 | 20 | |
| Thallium | 514 | 2.0 | µg/L | 500 | | 103 | 80-120 | 1.31 | 20 | |
| Vanadium | 478 | 50 | µg/L | 500 | | 95.7 | 80-120 | 1.47 | 20 | |
| Zinc | 1070 | 100 | µg/L | 1000 | | 107 | 80-120 | 0.470 | 20 | |

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B282140 - SW-846 7470A Prep** | | | | | | | | | | |
| **Blank (B282140-BLK1)** | | | | Prepared: 05/17/21 Analyzed: 05/18/21 | | | | | | |
| Mercury | ND | 0.00010 | mg/L | | | | | | | |
| **LCS (B282140-BS1)** | | | | Prepared: 05/17/21 Analyzed: 05/18/21 | | | | | | |
| Mercury | 0.00413 | 0.00010 | mg/L | 0.00400 | | 103 | 80-120 | | | |
| **LCS Dup (B282140-BSD1)** | | | | Prepared: 05/17/21 Analyzed: 05/18/21 | | | | | | |
| Mercury | 0.00408 | 0.00010 | mg/L | 0.00400 | | 102 | 80-120 | 1.30 | 20 | |

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**FLAG/QUALIFIER SUMMARY**

| | |
|---|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits established for difficult compound. |
| ‡ | Wide RPD limits established for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| ND | Not Detected |
| RL | Reporting Limit is at the level of quantitation (LOQ) |
| DL | Detection Limit is the lower limit of detection determined by the MDL study |
| MCL | Maximum Contaminant Level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| | No results have been blank subtracted unless specified in the case narrative section. |
| V-05 | Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound. |
| V-16 | Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result. |
| V-34 | Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated. |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 6020B in Water*** | |
| Antimony | CT,NH,NY,ME,VA,NC |
| Arsenic | CT,NH,NY,ME,VA,NC |
| Barium | CT,NH,NY,ME,VA,NC |
| Beryllium | CT,NH,NY,ME,VA,NC |
| Cadmium | CT,NH,NY,RI,ME,VA,NC |
| Chromium | CT,NH,NY,ME,VA,NC |
| Copper | CT,NH,NY,ME,VA,NC |
| Lead | CT,NH,NY,ME,VA,NC |
| Nickel | CT,NH,NY,ME,VA,NC |
| Selenium | CT,NH,NY,ME,VA,NC |
| Silver | CT,NH,NY,ME,VA,NC |
| Thallium | CT,NH,NY,ME,VA,NC |
| Vanadium | CT,NH,NY,ME,VA,NC |
| Zinc | CT,NH,NY,ME,VA,NC |
| ***SW-846 7470A in Water*** | |
| Mercury | CT,NH,NY,NC,ME,VA |
| ***SW-846 8260C-D in Water*** | |
| Acetone | CT,NH,NY,ME |
| Acrylonitrile | CT,NY,ME |
| Benzene | CT,NH,NY,ME |
| Bromobenzene | NY |
| Bromodichloromethane | CT,NH,NY,ME |
| Bromoform | CT,NH,NY,ME |
| Bromomethane | CT,NH,NY,ME |
| 2-Butanone (MEK) | CT,NH,NY,ME |
| n-Butylbenzene | NY,ME |
| sec-Butylbenzene | NY,ME |
| tert-Butylbenzene | NY,ME |
| Carbon Disulfide | CT,NH,NY,ME |
| Carbon Tetrachloride | CT,NH,NY,ME |
| Chlorobenzene | CT,NH,NY,ME |
| Chlorodibromomethane | CT,NH,NY,ME |
| Chloroethane | CT,NH,NY,ME |
| Chloroform | CT,NH,NY,ME |
| Chloromethane | CT,NH,NY,ME |
| 2-Chlorotoluene | NY,ME |
| 4-Chlorotoluene | NY,ME |
| 1,2-Dibromo-3-chloropropane (DBCP) | NY |
| 1,2-Dibromoethane (EDB) | NY |
| Dibromomethane | NH,NY,ME |
| 1,2-Dichlorobenzene | CT,NY,ME |
| 1,3-Dichlorobenzene | CT,NH,NY,ME |
| 1,4-Dichlorobenzene | CT,NH,NY,ME |
| trans-1,4-Dichloro-2-butene | NH,NY,ME |
| Dichlorodifluoromethane (Freon 12) | NH,NY,ME |
| 1,1-Dichloroethane | CT,NH,NY,ME |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8260C-D in Water*** | |
| 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 |
| ***SW-846 8270D-E in Soil*** | |
| Acenaphthene | CT,NY,NH,ME,NC,VA |
| Acenaphthylene | CT,NY,NH,ME,NC,VA |
| Anthracene | CT,NY,NH,ME,NC,VA |
| Benzo(a)anthracene | CT,NY,NH,ME,NC,VA |
| Benzo(a)pyrene | CT,NY,NH,ME,NC,VA |
| Benzo(b)fluoranthene | CT,NY,NH,ME,NC,VA |
| Benzo(g,h,i)perylene | CT,NY,NH,ME,NC,VA |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8270D-E in Soil*** | |
| Benzo(k)fluoranthene | CT,NY,NH,ME,NC,VA |
| Chrysene | CT,NY,NH,ME,NC,VA |
| Dibenz(a,h)anthracene | CT,NY,NH,ME,NC,VA |
| Fluoranthene | CT,NY,NH,ME,NC,VA |
| Fluorene | CT,NY,NH,ME,NC,VA |
| Indeno(1,2,3-cd)pyrene | CT,NY,NH,ME,NC,VA |
| 2-Methylnaphthalene | CT,NY,NH,ME,NC,VA |
| Naphthalene | CT,NY,NH,ME,NC,VA |
| Phenanthrene | CT,NY,NH,ME,NC,VA |
| Pyrene | CT,NY,NH,ME,NC,VA |
| ***SW-846 8270D-E in Water*** | |
| Acenaphthene | CT,NY,NH,ME,NC,VA |
| Acenaphthylene | CT,NY,NH,ME,NC,VA |
| Anthracene | CT,NY,NH,ME,NC,VA |
| Benzo(a)anthracene | CT,NY,NH,ME,NC,VA |
| Benzo(a)pyrene | CT,NY,NH,ME,NC,VA |
| Benzo(b)fluoranthene | CT,NY,NH,ME,NC,VA |
| Benzo(g,h,i)perylene | CT,NY,NH,ME,NC,VA |
| Benzo(k)fluoranthene | CT,NY,NH,ME,NC,VA |
| Chrysene | CT,NY,NH,ME,NC,VA |
| Dibenz(a,h)anthracene | CT,NY,NH,ME,NC,VA |
| Fluoranthene | CT,NY,NH,ME,NC,VA |
| Fluorene | CT,NY,NH,ME,NC,VA |
| Indeno(1,2,3-cd)pyrene | CT,NY,NH,ME,NC,VA |
| 2-Methylnaphthalene | CT,NY,NH,ME,NC,VA |
| Naphthalene | CT,NY,NH,ME,NC,VA |
| Phenanthrene | CT,NY,NH,ME,NC,VA |
| Pyrene | CT,NY,NH,ME,NC,VA |

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

| Code | Description | Number | Expires |
|---|---|---|---|
| AIHA | AIHA-LAP, LLC - ISO17025:2017 | 100033 | 03/1/2022 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2021 |
| CT | Connecticut Department of Publilc Health | PH-0165 | 12/31/2022 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2022 |
| NH-S | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2022 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2021 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2021 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2021 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2021 |
| VT | Vermont Department of Health Lead Laboratory | LL720741 | 07/30/2021 |
| ME | State of Maine | MA00100 | 06/9/2021 |
| VA | Commonwealth of Virginia | 460217 | 12/14/2021 |
| NH-P | New Hampshire Environmental Lab | 2557 NELAP | 09/6/2021 |
| VT-DW | Vermont Department of Health Drinking Water | VT-255716 | 06/12/2021 |
| NC-DW | North Carolina Department of Health | 25703 | 07/31/2021 |
| PA | Commonwealth of Pennsylvania DEP | 68-05812 | 06/30/2022 |
| MI | Dept. of Env, Great Lakes, and Energy | 9100 | 09/6/2021 |

21E0704

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http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Page 1 of 1

Company Name: APEX COMPANY
Address: 56 CONNECTICUT AVE SOUTH WINDSOR, CT
Phone: 860-282-1700
Project Name: EVERSOURCE - ENFIELD
Project Location: ENFIELD, CT
Project Number: 6089-012
Project Manager: DON WILSON
Con-Test Quote Name/Number:
Invoice Recipient: APEX
Sampled By: J. STANLEWICZ

Turnaround Time (Business Days)
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:
Other:
CLP Like Data Pkg Required:
Email To: DWILSON@APEXCOS.COM
Fax To #:

Report Matrix Types
Field Filtered
Lab to Filter

Other Preservative Required
Field Filtered
Lab to Filter

ANALYSIS REQUESTED

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | COMP/GRAB | [1]Matrix Code | Conc Code | VIALS | GLASS | PLASTIC | BACTERIA | ENCORE | 8260 | 8270 PAH'S | TOTAL RSR METALS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-12 | 5/12/21 | 1100 | G | GW | U | | | 1 | | | | | ✓ |
| 2 | MW-13 | ↓ | 1250 | G | GW | U | | | 1 | | | | | ✓ |
| 3 | MW-9 | ↓ | 1945 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 4 | RW-5 | 5/13/21 | 0820 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 5 | TB | 7/10/20 | — | G | O | C | 2 | | | | | ✓ | | |
| 6 | RW-9 | 5/13/21 | 1050 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 7 | RW-3 | ↓ | 1250 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 8 | FD | ↓ | 1310 | G | O | C | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| | | | | | | | | | | | | | | |

[2] Preservation Code
Container Type
Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

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

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

[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)

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

| Relinquished by: (signature) | Date/Time: |
|---|---|
| Received by: (signature) | Date/Time: |
| Relinquished by: (signature) | Date/Time: |
| Received by: (signature) | Date/Time: |
| Relinquished by: (signature) | Date/Time: |
| Received by: (signature) | Date/Time: |

Relinquished by: (signature) J. Stanlewicz 5/13/21 1453
Received by: (signature) 5.85 5/13/21 1453

Client Comments: FIELD FILTERED MW-12 & MW-13

Data Deliverables
RCP:
CT RSR, RESVC
I/CVC, SWPC

Special Requirements
MA MCP Required
MCP Certification Form Required
CT RCP Required
RCP Certification Form Required
MA State DW Required

Project #
PWSID #

NELAC and AIHA-LAP, LLC Accredited

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

Other
Chromatogram
AIHA-LAP,LLC

PCB ONLY
Soxhlet
Non Soxhlet

Comments:

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



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**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** Apex Company

**Received By** CA Date 5/13/21 Time 1453

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

Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 5.8

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 Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

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

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

Were trip blanks received? T On COC? ~~F~~

Do all samples have the proper pH? Acid T Base ____

| Vials | # | Containers: | # | | # | | # |
|---|---|---|---|---|---|---|---|
| Unp- | | 1 Liter Amb. | 10 | 1 Liter Plastic | | 16 oz Amb. | |
| HCL- | 17 | 500 mL Amb. | | 500 mL Plastic | | 8oz Amb/Clear | |
| Meoh- | | 250 mL Amb. | | 250 mL Plastic | 7 | 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:**

# REASONABLE CONFIDENCE PROTOCOL
# LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

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

***Client:*** Apex Companies, LLC - South Windsor, C

***Project Location:*** Enfield, CT

***Project Number:*** 21E0764

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

21E0764-01 thru 21E0764-08

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

05/12/2021,
05/13/2021,
07/10/2020

*List RCP Methods Used:*

, , SW-846 6020B, SW-846 7470A, SW-846 8260C-D, SW-846 8270D-E

| | | |
|---|---|---|
| **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:** **05/24/21**

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

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

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

September 7, 2021

David Sherman
Apex Companies, LLC - South Windsor, CT
58 (H) Connecticut Avenue
South Windsor, CT 06074

Project Location: Enfield, CT
Client Job Number:
Project Number: 6089-012
Laboratory Work Order Number: 21H1092

Enclosed are results of analyses for samples received by the laboratory on August 20, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Matthew J Beaupre
Project Manager

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Apex Companies, LLC - South Windsor, CT
58 (H) Connecticut Avenue
South Windsor, CT 06074
ATTN: David Sherman

REPORT DATE: 9/7/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-012

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 21H1092

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

PROJECT LOCATION: Enfield, CT

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| MW-9 | 21H1092-01 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| RW-3 | 21H1092-02 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| RW-4 | 21H1092-03 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| RW-5 | 21H1092-04 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |
| MW-12 | 21H1092-05 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| MW-13 | 21H1092-06 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| TB | 21H1092-07 | Ground Water | | SW-846 8260C-D | |
| FB | 21H1092-08 | Ground Water | | SW-846 6020B | |
| | | | | SW-846 7470A | |
| | | | | SW-846 8260C-D | |
| | | | | SW-846 8270D-E | |

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**CASE NARRATIVE SUMMARY**

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

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

**SW-846 8260C-D**

**Qualifications:**

**L-17**

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

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

**Bromomethane**
B288697-BS1, B288703-BS1

**Chloromethane**
B288697-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:**

**Bromomethane**
B288703-BLK1, B288703-BS1, S062642-CCV1

**Chloromethane**
21H1092-01[MW-9], 21H1092-02[RW-3], 21H1092-03[RW-4], 21H1092-04[RW-5], 21H1092-07[TB], 21H1092-08[FB], B288697-BLK1, B288697-BS1, S062622-CCV1

**Naphthalene**
21H1092-01[MW-9], 21H1092-02[RW-3], 21H1092-03[RW-4], 21H1092-04[RW-5], 21H1092-07[TB], 21H1092-08[FB], B288697-BLK1, B288697-BS1, S062622-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:**

**1,1,2-Trichloroethane**
B288697-BS1, S062622-CCV1

**1,1-Dichloropropene**
B288697-BS1, S062622-CCV1

**1,2-Dibromoethane (EDB)**
B288697-BS1, S062622-CCV1

**Bromomethane**
B288697-BS1, S062622-CCV1

**Chloromethane**
B288703-BS1, S062642-CCV1

**Tetrachloroethylene**
B288697-BS1, S062622-CCV1

**trans-1,4-Dichloro-2-butene**
B288703-BS1, S062642-CCV1

**V-34**

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

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

**Bromomethane**
21H1092-01[MW-9], 21H1092-02[RW-3], 21H1092-03[RW-4], 21H1092-04[RW-5], 21H1092-07[TB], 21H1092-08[FB], B288697-BLK1, B288697-BS1, S062622-CCV1

**Chloromethane**
21H1092-01[MW-9], 21H1092-02[RW-3], 21H1092-03[RW-4], 21H1092-04[RW-5], 21H1092-07[TB], 21H1092-08[FB], B288697-BLK1, B288697-BS1, S062622-CCV1

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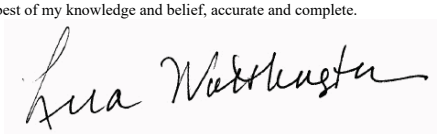
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in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



Lisa A. Worthington
Technical Representative

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

Project Location: Enfield, CT
Sample Description:
Work Order: 21H1092
Date Received: 8/20/2021
**Field Sample #: MW-9**
Sampled: 8/19/2021 10:25
**Sample ID: 21H1092-01**
Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Bromomethane | ND | 5.0 | µg/L | 1 | V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Chloromethane | ND | 0.60 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: MW-9** | Sampled: 8/19/2021 10:25

**Sample ID: 21H1092-01**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:06 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 80.0 | 70-130 | | 8/23/21 16:06 |
| Toluene-d8 | 94.7 | 70-130 | | 8/23/21 16:06 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 8/23/21 16:06 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: MW-9** | Sampled: 8/19/2021 10:25

**Sample ID: 21H1092-01**

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 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Acenaphthylene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Anthracene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Benzo(a)anthracene (SIM) | ND | 0.049 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Benzo(a)pyrene (SIM) | ND | 0.097 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Benzo(b)fluoranthene (SIM) | ND | 0.049 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Benzo(g,h,i)perylene (SIM) | ND | 0.49 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Benzo(k)fluoranthene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Chrysene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Dibenz(a,h)anthracene (SIM) | ND | 0.097 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Fluoranthene (SIM) | ND | 0.49 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Fluorene (SIM) | ND | 0.97 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.097 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| 2-Methylnaphthalene (SIM) | ND | 0.97 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Naphthalene (SIM) | ND | 0.97 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Phenanthrene (SIM) | ND | 0.049 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |
| Pyrene (SIM) | ND | 0.97 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 13:34 | IMR |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 63.8 | 30-130 | | 8/30/21 13:34 |
| 2-Fluorobiphenyl | 59.3 | 30-130 | | 8/30/21 13:34 |
| p-Terphenyl-d14 | 65.0 | 30-130 | | 8/30/21 13:34 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: MW-9** | Sampled: 8/19/2021 10:25

**Sample ID: 21H1092-01**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:24 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:05 | QNW |
| Barium | 410 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:05 | QNW |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:24 | MJH |
| Cadmium | 0.63 | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:05 | QNW |
| Chromium | 2.1 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/31/21 | 9/1/21 12:53 | QNW |
| Copper | 2.9 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:28 | QNW |
| Lead | 0.70 | 0.50 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:05 | QNW |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 8/23/21 | 8/24/21 12:32 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:24 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:05 | QNW |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:05 | QNW |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:24 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:24 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:24 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-3** | Sampled: 8/19/2021 11:40

**Sample ID: 21H1092-02**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Bromomethane | ND | 5.0 | µg/L | 1 | V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Chloromethane | ND | 0.60 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1-Dichloroethane | 1.0 | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-3** | Sampled: 8/19/2021 11:40

**Sample ID: 21H1092-02**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:32 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 78.6 | 70-130 | | 8/23/21 16:32 |
| Toluene-d8 | 92.8 | 70-130 | | 8/23/21 16:32 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 8/23/21 16:32 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-3** | Sampled: 8/19/2021 11:40

**Sample ID: 21H1092-02**

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 | 0.30 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Acenaphthylene (SIM) | ND | 0.20 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Anthracene (SIM) | ND | 0.20 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Benzo(a)anthracene (SIM) | ND | 0.050 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Benzo(a)pyrene (SIM) | ND | 0.10 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Benzo(b)fluoranthene (SIM) | ND | 0.050 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Benzo(g,h,i)perylene (SIM) | ND | 0.50 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Benzo(k)fluoranthene (SIM) | ND | 0.20 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Chrysene (SIM) | ND | 0.20 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Dibenz(a,h)anthracene (SIM) | ND | 0.10 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Fluoranthene (SIM) | ND | 0.50 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Fluorene (SIM) | ND | 1.0 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.10 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| 2-Methylnaphthalene (SIM) | ND | 1.0 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Naphthalene (SIM) | ND | 1.0 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Phenanthrene (SIM) | ND | 0.050 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |
| Pyrene (SIM) | ND | 1.0 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:03 | IMR |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 59.9 | 30-130 | | 8/30/21 14:03 |
| 2-Fluorobiphenyl | 54.0 | 30-130 | | 8/30/21 14:03 |
| p-Terphenyl-d14 | 57.6 | 30-130 | | 8/30/21 14:03 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-3** | Sampled: 8/19/2021 11:40

**Sample ID: 21H1092-02**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:27 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:08 | QNW |
| Barium | 450 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:08 | QNW |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:27 | MJH |
| Cadmium | 0.38 | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:08 | QNW |
| Chromium | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/31/21 | 9/1/21 12:51 | QNW |
| Copper | 2.7 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:31 | QNW |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:08 | QNW |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 8/23/21 | 8/24/21 12:36 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:27 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:08 | QNW |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:08 | QNW |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:27 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:27 | MJH |
| Zinc | 27 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:27 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-4** | Sampled: 8/19/2021 13:05

**Sample ID: 21H1092-03**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Bromomethane | ND | 5.0 | µg/L | 1 | V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Chloromethane | ND | 0.60 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-4** | Sampled: 8/19/2021 13:05

**Sample ID: 21H1092-03**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 16:58 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 82.2 | 70-130 | | 8/23/21 16:58 |
| Toluene-d8 | 92.6 | 70-130 | | 8/23/21 16:58 |
| 4-Bromofluorobenzene | 99.8 | 70-130 | | 8/23/21 16:58 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-4** | Sampled: 8/19/2021 13:05

**Sample ID: 21H1092-03**

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 | 0.28 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Acenaphthylene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Anthracene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Benzo(a)anthracene (SIM) | ND | 0.047 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Benzo(a)pyrene (SIM) | ND | 0.094 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Benzo(b)fluoranthene (SIM) | ND | 0.047 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Benzo(g,h,i)perylene (SIM) | ND | 0.47 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Benzo(k)fluoranthene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Chrysene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Dibenz(a,h)anthracene (SIM) | ND | 0.094 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Fluoranthene (SIM) | ND | 0.47 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Fluorene (SIM) | ND | 0.94 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.094 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| 2-Methylnaphthalene (SIM) | ND | 0.94 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Naphthalene (SIM) | ND | 0.94 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Phenanthrene (SIM) | ND | 0.047 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |
| Pyrene (SIM) | ND | 0.94 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 14:31 | IMR |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 65.5 | 30-130 | | 8/30/21 14:31 |
| 2-Fluorobiphenyl | 58.8 | 30-130 | | 8/30/21 14:31 |
| p-Terphenyl-d14 | 60.6 | 30-130 | | 8/30/21 14:31 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-4** | Sampled: 8/19/2021 13:05

**Sample ID: 21H1092-03**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:30 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:11 | QNW |
| Barium | 150 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:11 | QNW |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:30 | MJH |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:11 | QNW |
| Chromium | 1.2 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/31/21 | 9/1/21 12:55 | QNW |
| Copper | 2.3 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:40 | QNW |
| Lead | 1.3 | 0.50 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:11 | QNW |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 8/23/21 | 8/24/21 12:37 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:30 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:11 | QNW |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:11 | QNW |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:30 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:30 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:30 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-5** | Sampled: 8/19/2021 14:45

**Sample ID: 21H1092-04**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Bromomethane | ND | 5.0 | µg/L | 1 | V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Chloromethane | ND | 0.60 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-5** | Sampled: 8/19/2021 14:45

**Sample ID: 21H1092-04**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Tetrachloroethylene | 1.9 | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/24/21 11:24 | MFF |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 17:24 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 80.2 | 70-130 | | 8/23/21 17:24 |
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 8/24/21 11:24 |
| Toluene-d8 | 95.2 | 70-130 | | 8/23/21 17:24 |
| Toluene-d8 | 104 | 70-130 | | 8/24/21 11:24 |
| 4-Bromofluorobenzene | 99.6 | 70-130 | | 8/23/21 17:24 |
| 4-Bromofluorobenzene | 104 | 70-130 | | 8/24/21 11:24 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-5** | Sampled: 8/19/2021 14:45

**Sample ID: 21H1092-04**

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 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Acenaphthylene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Anthracene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Benzo(a)anthracene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Benzo(a)pyrene (SIM) | ND | 0.095 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Benzo(b)fluoranthene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Benzo(g,h,i)perylene (SIM) | ND | 0.48 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Benzo(k)fluoranthene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Chrysene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Dibenz(a,h)anthracene (SIM) | ND | 0.095 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Fluoranthene (SIM) | ND | 0.48 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Fluorene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.095 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| 2-Methylnaphthalene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Naphthalene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Phenanthrene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |
| Pyrene (SIM) | ND | 0.95 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:00 | IMR |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 53.4 | 30-130 | | 8/30/21 15:00 |
| 2-Fluorobiphenyl | 48.0 | 30-130 | | 8/30/21 15:00 |
| p-Terphenyl-d14 | 61.5 | 30-130 | | 8/30/21 15:00 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: RW-5** | Sampled: 8/19/2021 14:45

**Sample ID: 21H1092-04**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:33 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:15 | QNW |
| Barium | 170 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:15 | QNW |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:33 | MJH |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:15 | QNW |
| Chromium | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/31/21 | 9/1/21 13:00 | QNW |
| Copper | 2.1 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:43 | QNW |
| Lead | 0.53 | 0.50 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:15 | QNW |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 8/23/21 | 8/24/21 12:39 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:33 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:15 | QNW |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:15 | QNW |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:33 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:33 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:33 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: MW-12** | Sampled: 8/20/2021 10:35

**Sample ID: 21H1092-05**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:36 | MJH |
| Arsenic | 4.9 | 0.80 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:18 | QNW |
| Barium | 620 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:18 | QNW |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:36 | MJH |
| Cadmium | 0.54 | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:18 | QNW |
| Chromium | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/31/21 | 9/1/21 13:02 | QNW |
| Copper | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:46 | QNW |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:18 | QNW |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 8/23/21 | 8/24/21 12:41 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:36 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:18 | QNW |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:18 | QNW |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:36 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:36 | MJH |
| Zinc | 52 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:36 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: MW-13** | Sampled: 8/20/2021 12:05

**Sample ID: 21H1092-06**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 1.2 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:44 | MJH |
| Arsenic | 14 | 0.80 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:28 | QNW |
| Barium | 240 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:28 | QNW |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:49 | QNW |
| Cadmium | 1.4 | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:28 | QNW |
| Chromium | 1.6 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/31/21 | 9/1/21 13:03 | QNW |
| Copper | 7.1 | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:49 | QNW |
| Lead | 1.5 | 0.50 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:28 | QNW |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 8/23/21 | 8/24/21 12:43 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:44 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:28 | QNW |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:28 | QNW |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:44 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:44 | MJH |
| Zinc | 120 | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:44 | MJH |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: TB** | Sampled: 6/22/2021 00:00

**Sample ID: 21H1092-07**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Bromomethane | ND | 5.0 | µg/L | 1 | V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Chloromethane | ND | 0.60 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: TB** | Sampled: 6/22/2021 00:00

**Sample ID: 21H1092-07**

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 12:37 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 78.6 | 70-130 | | 8/23/21 12:37 |
| Toluene-d8 | 94.8 | 70-130 | | 8/23/21 12:37 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 8/23/21 12:37 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: FB** | Sampled: 8/20/2021 12:15

**Sample ID: 21H1092-08**

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 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Acrylonitrile | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Benzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Bromobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Bromomethane | ND | 5.0 | µg/L | 1 | V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Carbon Disulfide | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Carbon Tetrachloride | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Chlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Chloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Chloroform | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Chloromethane | ND | 0.60 | µg/L | 1 | V-05, V-34 | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 2-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 4-Chlorotoluene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Dibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Ethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Hexachlorobutadiene | ND | 0.60 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: FB** | Sampled: 8/20/2021 12:15

**Sample ID: 21H1092-08**

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 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | V-05 | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| Vinyl Chloride | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C-D | 8/23/21 | 8/23/21 13:03 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 78.6 | 70-130 | | 8/23/21 13:03 |
| Toluene-d8 | 95.3 | 70-130 | | 8/23/21 13:03 |
| 4-Bromofluorobenzene | 99.4 | 70-130 | | 8/23/21 13:03 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: FB** | Sampled: 8/20/2021 12:15

**Sample ID: 21H1092-08**

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 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Acenaphthylene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Anthracene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Benzo(a)anthracene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Benzo(a)pyrene (SIM) | ND | 0.096 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Benzo(b)fluoranthene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Benzo(g,h,i)perylene (SIM) | ND | 0.48 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Benzo(k)fluoranthene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Chrysene (SIM) | ND | 0.19 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Dibenz(a,h)anthracene (SIM) | ND | 0.096 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Fluoranthene (SIM) | ND | 0.48 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Fluorene (SIM) | ND | 0.96 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.096 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| 2-Methylnaphthalene (SIM) | ND | 0.96 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Naphthalene (SIM) | ND | 0.96 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Phenanthrene (SIM) | ND | 0.048 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |
| Pyrene (SIM) | ND | 0.96 | µg/L | 1 | | SW-846 8270D-E | 8/23/21 | 8/30/21 15:28 | IMR |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| Nitrobenzene-d5 | 61.4 | 30-130 | | 8/30/21 15:28 |
| 2-Fluorobiphenyl | 55.4 | 30-130 | | 8/30/21 15:28 |
| p-Terphenyl-d14 | 78.4 | 30-130 | | 8/30/21 15:28 |

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Project Location: Enfield, CT | Sample Description: | Work Order: 21H1092

Date Received: 8/20/2021

**Field Sample #: FB** | Sampled: 8/20/2021 12:15

**Sample ID: 21H1092-08**

Sample Matrix: Ground Water

**Metals Analyses (Total)**

| Analyte | Results | RL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:47 | MJH |
| Arsenic | ND | 0.80 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:31 | QNW |
| Barium | ND | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:31 | QNW |
| Beryllium | ND | 0.40 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:52 | QNW |
| Cadmium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:31 | QNW |
| Chromium | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/31/21 | 9/1/21 13:05 | QNW |
| Copper | ND | 1.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/6/21 20:52 | QNW |
| Lead | ND | 0.50 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:31 | QNW |
| Mercury | ND | 0.00010 | mg/L | 1 | | SW-846 7470A | 8/23/21 | 8/24/21 12:45 | CJV |
| Nickel | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:47 | MJH |
| Selenium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:31 | QNW |
| Silver | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 8/30/21 13:31 | QNW |
| Thallium | ND | 0.20 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:47 | MJH |
| Vanadium | ND | 5.0 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:47 | MJH |
| Zinc | ND | 10 | µg/L | 1 | | SW-846 6020B | 8/26/21 | 9/5/21 15:47 | MJH |

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**Sample Extraction Data**

**Prep Method: SW-846 3005A** **Analytical Method: SW-846 6020B**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21H1092-01 [MW-9] | B289270 | 50.0 | 50.0 | 08/26/21 |
| 21H1092-02 [RW-3] | B289270 | 50.0 | 50.0 | 08/26/21 |
| 21H1092-03 [RW-4] | B289270 | 50.0 | 50.0 | 08/26/21 |
| 21H1092-04 [RW-5] | B289270 | 50.0 | 50.0 | 08/26/21 |
| 21H1092-05 [MW-12] | B289270 | 50.0 | 50.0 | 08/26/21 |
| 21H1092-06 [MW-13] | B289270 | 50.0 | 50.0 | 08/26/21 |
| 21H1092-08 [FB] | B289270 | 50.0 | 50.0 | 08/26/21 |

**Prep Method: SW-846 3005A** **Analytical Method: SW-846 6020B**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21H1092-01RE1 [MW-9] | B289330 | 50.0 | 50.0 | 08/31/21 |
| 21H1092-02RE1 [RW-3] | B289330 | 50.0 | 50.0 | 08/31/21 |
| 21H1092-03RE1 [RW-4] | B289330 | 50.0 | 50.0 | 08/31/21 |
| 21H1092-04RE1 [RW-5] | B289330 | 50.0 | 50.0 | 08/31/21 |
| 21H1092-05RE1 [MW-12] | B289330 | 50.0 | 50.0 | 08/31/21 |
| 21H1092-06RE1 [MW-13] | B289330 | 50.0 | 50.0 | 08/31/21 |
| 21H1092-08RE1 [FB] | B289330 | 50.0 | 50.0 | 08/31/21 |

**Prep Method: SW-846 7470A Prep** **Analytical Method: SW-846 7470A**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21H1092-01 [MW-9] | B288716 | 6.00 | 6.00 | 08/23/21 |
| 21H1092-02 [RW-3] | B288716 | 6.00 | 6.00 | 08/23/21 |
| 21H1092-03 [RW-4] | B288716 | 6.00 | 6.00 | 08/23/21 |
| 21H1092-04 [RW-5] | B288716 | 6.00 | 6.00 | 08/23/21 |
| 21H1092-05 [MW-12] | B288716 | 6.00 | 6.00 | 08/23/21 |
| 21H1092-06 [MW-13] | B288716 | 6.00 | 6.00 | 08/23/21 |
| 21H1092-08 [FB] | B288716 | 6.00 | 6.00 | 08/23/21 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21H1092-01 [MW-9] | B288697 | 5 | 5.00 | 08/23/21 |
| 21H1092-02 [RW-3] | B288697 | 5 | 5.00 | 08/23/21 |
| 21H1092-03 [RW-4] | B288697 | 5 | 5.00 | 08/23/21 |
| 21H1092-04 [RW-5] | B288697 | 5 | 5.00 | 08/23/21 |
| 21H1092-07 [TB] | B288697 | 5 | 5.00 | 08/23/21 |
| 21H1092-08 [FB] | B288697 | 5 | 5.00 | 08/23/21 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21H1092-04RE1 [RW-5] | B288703 | 5 | 5.00 | 08/23/21 |

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21H1092-01 [MW-9] | B289263 | 1030 | 1.00 | 08/23/21 |

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**Sample Extraction Data**

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

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 21H1092-02 [RW-3] | B289263 | 1000 | 1.00 | 08/23/21 |
| 21H1092-03 [RW-4] | B289263 | 1060 | 1.00 | 08/23/21 |
| 21H1092-04 [RW-5] | B289263 | 1050 | 1.00 | 08/23/21 |
| 21H1092-08 [FB] | B289263 | 1040 | 1.00 | 08/23/21 |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B288697 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B288697-BLK1)** | | | | Prepared & Analyzed: 08/23/21 | | | | | | |
| Acetone | ND | 10 | µg/L | | | | | | | |
| Acrylonitrile | ND | 2.0 | µg/L | | | | | | | |
| Benzene | ND | 0.50 | µg/L | | | | | | | |
| Bromobenzene | ND | 0.50 | µg/L | | | | | | | |
| Bromodichloromethane | ND | 0.50 | µg/L | | | | | | | |
| Bromoform | ND | 0.50 | µg/L | | | | | | | |
| Bromomethane | ND | 2.0 | µg/L | | | | | | | V-34 |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | | | | | | | |
| n-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| 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 | | | | | | | V-05, V-34 |
| 2-Chlorotoluene | ND | 0.50 | µg/L | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | µg/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | | | | | | | |
| Dibromomethane | ND | 0.50 | µg/L | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | | | | | | | |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | | | | | | | |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| Ethylbenzene | ND | 0.50 | µg/L | | | | | | | |
| Hexachlorobutadiene | ND | 0.60 | µg/L | | | | | | | |
| 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 | | | | | | | 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 | | | | | | | |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B288697 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B288697-BLK1)** | | | | Prepared & Analyzed: 08/23/21 | | | | | | |
| 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 | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | | | | | | | |
| Trichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | | | | | | | |
| 1,2,3-Trichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.50 | µg/L | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | µg/L | | | | | | | |
| Vinyl Chloride | ND | 1.0 | µg/L | | | | | | | |
| m+p Xylene | ND | 2.0 | µg/L | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *20.2* | | µg/L | 25.0 | | 80.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | *23.8* | | µg/L | 25.0 | | 95.1 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.8* | | µg/L | 25.0 | | 103 | 70-130 | | | |
| **LCS (B288697-BS1)** | | | | Prepared & Analyzed: 08/23/21 | | | | | | |
| Acetone | 97.4 | 10 | µg/L | 100 | | 97.4 | 40-160 | | | |
| Acrylonitrile | 11.2 | 2.0 | µg/L | 10.0 | | 112 | 70-130 | | | |
| Benzene | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Bromobenzene | 9.68 | 0.50 | µg/L | 10.0 | | 96.8 | 70-130 | | | |
| Bromodichloromethane | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | | | |
| Bromoform | 10.9 | 0.50 | µg/L | 10.0 | | 109 | 70-130 | | | |
| Bromomethane | 15.8 | 2.0 | µg/L | 10.0 | | 158 | 40-160 | | | L-17, V-20, V-34 |
| 2-Butanone (MEK) | 102 | 5.0 | µg/L | 100 | | 102 | 40-160 | | | |
| n-Butylbenzene | 8.47 | 1.0 | µg/L | 10.0 | | 84.7 | 70-130 | | | |
| sec-Butylbenzene | 8.57 | 1.0 | µg/L | 10.0 | | 85.7 | 70-130 | | | |
| tert-Butylbenzene | 9.22 | 1.0 | µg/L | 10.0 | | 92.2 | 70-130 | | | |
| Carbon Disulfide | 98.5 | 5.0 | µg/L | 100 | | 98.5 | 70-130 | | | |
| Carbon Tetrachloride | 11.4 | 0.50 | µg/L | 10.0 | | 114 | 70-130 | | | |
| Chlorobenzene | 10.4 | 0.50 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Chlorodibromomethane | 11.3 | 0.50 | µg/L | 10.0 | | 113 | 40-160 | | | |
| Chloroethane | 10.0 | 0.50 | µg/L | 10.0 | | 100 | 70-130 | | | |
| Chloroform | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | | | |
| Chloromethane | 4.01 | 0.60 | µg/L | 10.0 | | 40.1 | 40-160 | | | L-17, V-05, V-34 |
| 2-Chlorotoluene | 9.74 | 0.50 | µg/L | 10.0 | | 97.4 | 70-130 | | | |
| 4-Chlorotoluene | 9.94 | 0.50 | µg/L | 10.0 | | 99.4 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8.38 | 1.0 | µg/L | 10.0 | | 83.8 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 11.9 | 0.50 | µg/L | 10.0 | | 119 | 70-130 | | | V-20 |
| Dibromomethane | 11.5 | 0.50 | µg/L | 10.0 | | 115 | 70-130 | | | |
| 1,2-Dichlorobenzene | 9.36 | 0.50 | µg/L | 10.0 | | 93.6 | 70-130 | | | |
| 1,3-Dichlorobenzene | 9.29 | 0.50 | µg/L | 10.0 | | 92.9 | 70-130 | | | |
| 1,4-Dichlorobenzene | 9.08 | 0.50 | µg/L | 10.0 | | 90.8 | 70-130 | | | |
| trans-1,4-Dichloro-2-butene | 11.1 | 2.0 | µg/L | 10.0 | | 111 | 70-130 | | | |
| Dichlorodifluoromethane (Freon 12) | 9.22 | 0.50 | µg/L | 10.0 | | 92.2 | 40-160 | | | |
| 1,1-Dichloroethane | 11.7 | 0.50 | µg/L | 10.0 | | 117 | 70-130 | | | |
| 1,2-Dichloroethane | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,1-Dichloroethylene | 10.5 | 0.50 | µg/L | 10.0 | | 105 | 70-130 | | | |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B288697 - SW-846 5030B** | | | | | | | | | | |
| **LCS (B288697-BS1)** | | | | Prepared & Analyzed: 08/23/21 | | | | | | |
| cis-1,2-Dichloroethylene | 10.9 | 0.50 | µg/L | 10.0 | | 109 | 70-130 | | | |
| trans-1,2-Dichloroethylene | 11.6 | 1.0 | µg/L | 10.0 | | 116 | 70-130 | | | |
| 1,2-Dichloropropane | 11.5 | 0.50 | µg/L | 10.0 | | 115 | 70-130 | | | |
| 1,3-Dichloropropane | 11.7 | 0.50 | µg/L | 10.0 | | 117 | 70-130 | | | |
| 2,2-Dichloropropane | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| 1,1-Dichloropropene | 11.4 | 0.50 | µg/L | 10.0 | | 114 | 70-130 | | | V-20 |
| cis-1,3-Dichloropropene | 11.3 | 0.50 | µg/L | 10.0 | | 113 | 70-130 | | | |
| trans-1,3-Dichloropropene | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Ethylbenzene | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |
| Hexachlorobutadiene | 8.65 | 0.60 | µg/L | 10.0 | | 86.5 | 40-160 | | | |
| 2-Hexanone (MBK) | 97.3 | 5.0 | µg/L | 100 | | 97.3 | 70-130 | | | |
| Isopropylbenzene (Cumene) | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | |
| p-Isopropyltoluene (p-Cymene) | 8.99 | 0.50 | µg/L | 10.0 | | 89.9 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | | | |
| Methylene Chloride | 10.3 | 5.0 | µg/L | 10.0 | | 103 | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 101 | 5.0 | µg/L | 100 | | 101 | 40-160 | | | |
| Naphthalene | 7.84 | 2.0 | µg/L | 10.0 | | 78.4 | 70-130 | | | V-05 |
| n-Propylbenzene | 9.79 | 1.0 | µg/L | 10.0 | | 97.9 | 70-130 | | | |
| Styrene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| 1,1,1,2-Tetrachloroethane | 11.3 | 0.50 | µg/L | 10.0 | | 113 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 10.7 | 0.50 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Tetrachloroethylene | 12.5 | 1.0 | µg/L | 10.0 | | 125 | 70-130 | | | V-20 |
| Tetrahydrofuran | 9.98 | 10 | µg/L | 10.0 | | 99.8 | 70-130 | | | |
| Toluene | 11.1 | 1.0 | µg/L | 10.0 | | 111 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 8.42 | 1.0 | µg/L | 10.0 | | 84.2 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 8.95 | 0.50 | µg/L | 10.0 | | 89.5 | 70-130 | | | |
| 1,1,1-Trichloroethane | 11.1 | 0.50 | µg/L | 10.0 | | 111 | 70-130 | | | |
| 1,1,2-Trichloroethane | 11.8 | 0.50 | µg/L | 10.0 | | 118 | 70-130 | | | V-20 |
| Trichloroethylene | 11.8 | 1.0 | µg/L | 10.0 | | 118 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 9.88 | 2.0 | µg/L | 10.0 | | 98.8 | 40-160 | | | |
| 1,2,3-Trichloropropane | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 8.96 | 0.50 | µg/L | 10.0 | | 89.6 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | |
| Vinyl Chloride | 9.89 | 1.0 | µg/L | 10.0 | | 98.9 | 70-130 | | | |
| m+p Xylene | 20.6 | 2.0 | µg/L | 20.0 | | 103 | 70-130 | | | |
| o-Xylene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *20.3* | | µg/L | 25.0 | | 81.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | *23.7* | | µg/L | 25.0 | | 94.9 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *24.8* | | µg/L | 25.0 | | 99.3 | 70-130 | | | |
| **Batch B288703 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B288703-BLK1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Acetone | ND | 10 | µg/L | | | | | | | |
| Acrylonitrile | ND | 2.0 | µg/L | | | | | | | |
| Benzene | ND | 0.50 | µg/L | | | | | | | |
| Bromobenzene | ND | 0.50 | µg/L | | | | | | | |
| Bromodichloromethane | ND | 0.50 | µg/L | | | | | | | |
| Bromoform | ND | 0.50 | µg/L | | | | | | | |
| Bromomethane | ND | 2.0 | µg/L | | | | | | | V-05 |
| 2-Butanone (MEK) | ND | 5.0 | µg/L | | | | | | | |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B288703 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B288703-BLK1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| n-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Carbon Disulfide | ND | 5.0 | µg/L | | | | | | | |
| Carbon Tetrachloride | ND | 0.50 | µg/L | | | | | | | |
| Chlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| Chlorodibromomethane | ND | 0.50 | µg/L | | | | | | | |
| Chloroethane | ND | 0.50 | µg/L | | | | | | | |
| Chloroform | ND | 0.50 | µg/L | | | | | | | |
| Chloromethane | ND | 0.60 | µg/L | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | µg/L | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | µg/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | | | | | | | |
| Dibromomethane | ND | 0.50 | µg/L | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | | | | | | | |
| Dichlorodifluoromethane (Freon 12) | ND | 0.50 | µg/L | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,1-Dichloroethylene | ND | 0.50 | µg/L | | | | | | | |
| cis-1,2-Dichloroethylene | ND | 0.50 | µg/L | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 2,2-Dichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| Ethylbenzene | ND | 0.50 | µg/L | | | | | | | |
| Hexachlorobutadiene | ND | 0.60 | µg/L | | | | | | | |
| 2-Hexanone (MBK) | ND | 5.0 | µg/L | | | | | | | |
| Isopropylbenzene (Cumene) | ND | 0.50 | µg/L | | | | | | | |
| p-Isopropyltoluene (p-Cymene) | ND | 0.50 | µg/L | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 0.50 | µg/L | | | | | | | |
| Methylene Chloride | ND | 5.0 | µg/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | µg/L | | | | | | | |
| Naphthalene | ND | 2.0 | µg/L | | | | | | | |
| n-Propylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Styrene | ND | 1.0 | µg/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | | | | | | | |
| Tetrachloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Tetrahydrofuran | ND | 10 | µg/L | | | | | | | |
| Toluene | ND | 1.0 | µg/L | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.50 | µg/L | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | µg/L | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | µg/L | | | | | | | |
| Trichloroethylene | ND | 1.0 | µg/L | | | | | | | |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B288703 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B288703-BLK1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| 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 | *25.6* | | µg/L | 25.0 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | *28.2* | | µg/L | 25.0 | | 113 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.3* | | µg/L | 25.0 | | 101 | 70-130 | | | |
| **LCS (B288703-BS1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Acetone | 90.5 | 10 | µg/L | 100 | | 90.5 | 40-160 | | | |
| Acrylonitrile | 8.03 | 2.0 | µg/L | 10.0 | | 80.3 | 70-130 | | | |
| Benzene | 9.43 | 0.50 | µg/L | 10.0 | | 94.3 | 70-130 | | | |
| Bromobenzene | 9.95 | 0.50 | µg/L | 10.0 | | 99.5 | 70-130 | | | |
| Bromodichloromethane | 10.7 | 0.50 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Bromoform | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Bromomethane | 6.52 | 2.0 | µg/L | 10.0 | | 65.2 | 40-160 | | | L-17, V-05 |
| 2-Butanone (MEK) | 80.7 | 5.0 | µg/L | 100 | | 80.7 | 40-160 | | | |
| n-Butylbenzene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| sec-Butylbenzene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| tert-Butylbenzene | 11.4 | 1.0 | µg/L | 10.0 | | 114 | 70-130 | | | |
| Carbon Disulfide | 89.8 | 5.0 | µg/L | 100 | | 89.8 | 70-130 | | | |
| Carbon Tetrachloride | 9.63 | 0.50 | µg/L | 10.0 | | 96.3 | 70-130 | | | |
| Chlorobenzene | 11.5 | 0.50 | µg/L | 10.0 | | 115 | 70-130 | | | |
| Chlorodibromomethane | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 40-160 | | | |
| Chloroethane | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Chloroform | 10.0 | 0.50 | µg/L | 10.0 | | 100 | 70-130 | | | |
| Chloromethane | 12.2 | 0.60 | µg/L | 10.0 | | 122 | 40-160 | | | V-20 |
| 2-Chlorotoluene | 10.5 | 0.50 | µg/L | 10.0 | | 105 | 70-130 | | | |
| 4-Chlorotoluene | 10.8 | 0.50 | µg/L | 10.0 | | 108 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Dibromomethane | 10.4 | 0.50 | µg/L | 10.0 | | 104 | 70-130 | | | |
| 1,2-Dichlorobenzene | 10.8 | 0.50 | µg/L | 10.0 | | 108 | 70-130 | | | |
| 1,3-Dichlorobenzene | 11.1 | 0.50 | µg/L | 10.0 | | 111 | 70-130 | | | |
| 1,4-Dichlorobenzene | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | | | |
| trans-1,4-Dichloro-2-butene | 11.6 | 2.0 | µg/L | 10.0 | | 116 | 70-130 | | | V-20 |
| Dichlorodifluoromethane (Freon 12) | 9.33 | 0.50 | µg/L | 10.0 | | 93.3 | 40-160 | | | |
| 1,1-Dichloroethane | 9.19 | 0.50 | µg/L | 10.0 | | 91.9 | 70-130 | | | |
| 1,2-Dichloroethane | 11.1 | 0.50 | µg/L | 10.0 | | 111 | 70-130 | | | |
| 1,1-Dichloroethylene | 9.44 | 0.50 | µg/L | 10.0 | | 94.4 | 70-130 | | | |
| cis-1,2-Dichloroethylene | 9.52 | 0.50 | µg/L | 10.0 | | 95.2 | 70-130 | | | |
| trans-1,2-Dichloroethylene | 8.67 | 1.0 | µg/L | 10.0 | | 86.7 | 70-130 | | | |
| 1,2-Dichloropropane | 9.48 | 0.50 | µg/L | 10.0 | | 94.8 | 70-130 | | | |
| 1,3-Dichloropropane | 9.75 | 0.50 | µg/L | 10.0 | | 97.5 | 70-130 | | | |
| 2,2-Dichloropropane | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,1-Dichloropropene | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | |
| cis-1,3-Dichloropropene | 10.5 | 0.50 | µg/L | 10.0 | | 105 | 70-130 | | | |
| trans-1,3-Dichloropropene | 10.8 | 0.50 | µg/L | 10.0 | | 108 | 70-130 | | | |

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**QUALITY CONTROL**

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B288703 - SW-846 5030B** | | | | | | | | | | |
| **LCS (B288703-BS1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Ethylbenzene | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Hexachlorobutadiene | 13.8 | 0.60 | µg/L | 10.0 | | 138 | 40-160 | | | |
| 2-Hexanone (MBK) | 88.7 | 5.0 | µg/L | 100 | | 88.7 | 70-130 | | | |
| Isopropylbenzene (Cumene) | 11.3 | 0.50 | µg/L | 10.0 | | 113 | 70-130 | | | |
| p-Isopropyltoluene (p-Cymene) | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 9.05 | 0.50 | µg/L | 10.0 | | 90.5 | 70-130 | | | |
| Methylene Chloride | 8.39 | 5.0 | µg/L | 10.0 | | 83.9 | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 91.7 | 5.0 | µg/L | 100 | | 91.7 | 40-160 | | | |
| Naphthalene | 11.1 | 2.0 | µg/L | 10.0 | | 111 | 70-130 | | | |
| n-Propylbenzene | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | | | |
| Styrene | 11.9 | 1.0 | µg/L | 10.0 | | 119 | 70-130 | | | |
| 1,1,1,2-Tetrachloroethane | 12.2 | 0.50 | µg/L | 10.0 | | 122 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 9.58 | 0.50 | µg/L | 10.0 | | 95.8 | 70-130 | | | |
| Tetrachloroethylene | 12.3 | 1.0 | µg/L | 10.0 | | 123 | 70-130 | | | |
| Tetrahydrofuran | 8.42 | 10 | µg/L | 10.0 | | 84.2 | 70-130 | | | |
| Toluene | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 11.0 | 0.50 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,1,1-Trichloroethane | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| 1,1,2-Trichloroethane | 10.4 | 0.50 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Trichloroethylene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 9.16 | 2.0 | µg/L | 10.0 | | 91.6 | 40-160 | | | |
| 1,2,3-Trichloropropane | 9.06 | 0.50 | µg/L | 10.0 | | 90.6 | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.51 | 0.50 | µg/L | 10.0 | | 95.1 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 10.9 | 0.50 | µg/L | 10.0 | | 109 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 11.4 | 0.50 | µg/L | 10.0 | | 114 | 70-130 | | | |
| Vinyl Chloride | 8.87 | 1.0 | µg/L | 10.0 | | 88.7 | 70-130 | | | |
| m+p Xylene | 23.2 | 2.0 | µg/L | 20.0 | | 116 | 70-130 | | | |
| o-Xylene | 11.3 | 1.0 | µg/L | 10.0 | | 113 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.2* | | µg/L | 25.0 | | 96.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.4* | | µg/L | 25.0 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.5* | | µg/L | 25.0 | | 102 | 70-130 | | | |

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**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 B289263 - SW-846 3510C** | | | | | | | | | | |
| **Blank (B289263-BLK1)** | | | | Prepared: 08/23/21 Analyzed: 08/30/21 | | | | | | |
| Acenaphthene (SIM) | ND | 0.15 | µg/L | | | | | | | |
| Acenaphthylene (SIM) | ND | 0.10 | µg/L | | | | | | | |
| Anthracene (SIM) | ND | 0.10 | µg/L | | | | | | | |
| Benzo(a)anthracene (SIM) | ND | 0.025 | µg/L | | | | | | | |
| Benzo(a)pyrene (SIM) | ND | 0.050 | µg/L | | | | | | | |
| Benzo(b)fluoranthene (SIM) | ND | 0.025 | µg/L | | | | | | | |
| Benzo(g,h,i)perylene (SIM) | ND | 0.25 | µg/L | | | | | | | |
| Benzo(k)fluoranthene (SIM) | ND | 0.10 | µg/L | | | | | | | |
| Chrysene (SIM) | ND | 0.10 | µg/L | | | | | | | |
| Dibenz(a,h)anthracene (SIM) | ND | 0.050 | µg/L | | | | | | | |
| Fluoranthene (SIM) | ND | 0.25 | µg/L | | | | | | | |
| Fluorene (SIM) | ND | 0.50 | µg/L | | | | | | | |
| Indeno(1,2,3-cd)pyrene (SIM) | ND | 0.050 | µg/L | | | | | | | |
| 2-Methylnaphthalene (SIM) | ND | 0.50 | µg/L | | | | | | | |
| Naphthalene (SIM) | ND | 0.50 | µg/L | | | | | | | |
| Phenanthrene (SIM) | ND | 0.025 | µg/L | | | | | | | |
| Pyrene (SIM) | ND | 0.50 | µg/L | | | | | | | |
| Surrogate: Nitrobenzene-d5 | *33.9* | | µg/L | 100 | | 33.9 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *34.0* | | µg/L | 100 | | 34.0 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *61.5* | | µg/L | 100 | | 61.5 | 30-130 | | | |
| **LCS (B289263-BS1)** | | | | Prepared: 08/23/21 Analyzed: 08/30/21 | | | | | | |
| Acenaphthene (SIM) | 34.1 | 6.0 | µg/L | 50.0 | | 68.3 | 40-140 | | | |
| Acenaphthylene (SIM) | 35.5 | 4.0 | µg/L | 50.0 | | 71.0 | 40-140 | | | |
| Anthracene (SIM) | 40.6 | 4.0 | µg/L | 50.0 | | 81.1 | 40-140 | | | |
| Benzo(a)anthracene (SIM) | 38.6 | 1.0 | µg/L | 50.0 | | 77.2 | 40-140 | | | |
| Benzo(a)pyrene (SIM) | 42.7 | 2.0 | µg/L | 50.0 | | 85.4 | 40-140 | | | |
| Benzo(b)fluoranthene (SIM) | 42.5 | 1.0 | µg/L | 50.0 | | 85.0 | 40-140 | | | |
| Benzo(g,h,i)perylene (SIM) | 41.2 | 10 | µg/L | 50.0 | | 82.5 | 40-140 | | | |
| Benzo(k)fluoranthene (SIM) | 40.6 | 4.0 | µg/L | 50.0 | | 81.1 | 40-140 | | | |
| Chrysene (SIM) | 38.2 | 4.0 | µg/L | 50.0 | | 76.4 | 40-140 | | | |
| Dibenz(a,h)anthracene (SIM) | 40.8 | 2.0 | µg/L | 50.0 | | 81.6 | 40-140 | | | |
| Fluoranthene (SIM) | 38.9 | 10 | µg/L | 50.0 | | 77.9 | 40-140 | | | |
| Fluorene (SIM) | 38.0 | 20 | µg/L | 50.0 | | 76.0 | 40-140 | | | |
| Indeno(1,2,3-cd)pyrene (SIM) | 43.0 | 2.0 | µg/L | 50.0 | | 86.0 | 40-140 | | | |
| 2-Methylnaphthalene (SIM) | 33.5 | 20 | µg/L | 50.0 | | 66.9 | 40-140 | | | |
| Naphthalene (SIM) | 27.1 | 20 | µg/L | 50.0 | | 54.1 | 40-140 | | | |
| Phenanthrene (SIM) | 37.7 | 1.0 | µg/L | 50.0 | | 75.4 | 40-140 | | | |
| Pyrene (SIM) | 37.9 | 20 | µg/L | 50.0 | | 75.7 | 40-140 | | | |
| Surrogate: Nitrobenzene-d5 | *62.8* | | µg/L | 100 | | 62.8 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *66.5* | | µg/L | 100 | | 66.5 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *71.7* | | µg/L | 100 | | 71.7 | 30-130 | | | |

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**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 B289263 - SW-846 3510C** | | | | | | | | | | |
| **LCS Dup (B289263-BSD1)** | | | | Prepared: 08/23/21 Analyzed: 08/30/21 | | | | | | |
| Acenaphthene (SIM) | 31.5 | 6.0 | µg/L | 50.0 | | 63.0 | 40-140 | 7.98 | 20 | |
| Acenaphthylene (SIM) | 32.6 | 4.0 | µg/L | 50.0 | | 65.2 | 40-140 | 8.40 | 20 | |
| Anthracene (SIM) | 37.1 | 4.0 | µg/L | 50.0 | | 74.2 | 40-140 | 8.86 | 20 | |
| Benzo(a)anthracene (SIM) | 35.2 | 1.0 | µg/L | 50.0 | | 70.5 | 40-140 | 9.05 | 20 | |
| Benzo(a)pyrene (SIM) | 39.3 | 2.0 | µg/L | 50.0 | | 78.6 | 40-140 | 8.34 | 20 | |
| Benzo(b)fluoranthene (SIM) | 39.4 | 1.0 | µg/L | 50.0 | | 78.8 | 40-140 | 7.57 | 20 | |
| Benzo(g,h,i)perylene (SIM) | 38.2 | 10 | µg/L | 50.0 | | 76.4 | 40-140 | 7.71 | 20 | |
| Benzo(k)fluoranthene (SIM) | 37.8 | 4.0 | µg/L | 50.0 | | 75.5 | 40-140 | 7.15 | 20 | |
| Chrysene (SIM) | 35.2 | 4.0 | µg/L | 50.0 | | 70.3 | 40-140 | 8.29 | 20 | |
| Dibenz(a,h)anthracene (SIM) | 37.7 | 2.0 | µg/L | 50.0 | | 75.4 | 40-140 | 7.95 | 20 | |
| Fluoranthene (SIM) | 35.4 | 10 | µg/L | 50.0 | | 70.7 | 40-140 | 9.64 | 20 | |
| Fluorene (SIM) | 35.2 | 20 | µg/L | 50.0 | | 70.5 | 40-140 | 7.48 | 20 | |
| Indeno(1,2,3-cd)pyrene (SIM) | 39.7 | 2.0 | µg/L | 50.0 | | 79.4 | 40-140 | 7.98 | 20 | |
| 2-Methylnaphthalene (SIM) | 31.1 | 20 | µg/L | 50.0 | | 62.2 | 40-140 | 7.31 | 20 | |
| Naphthalene (SIM) | 25.1 | 20 | µg/L | 50.0 | | 50.2 | 40-140 | 7.44 | 20 | |
| Phenanthrene (SIM) | 34.7 | 1.0 | µg/L | 50.0 | | 69.4 | 40-140 | 8.34 | 20 | |
| Pyrene (SIM) | 34.6 | 20 | µg/L | 50.0 | | 69.2 | 40-140 | 9.06 | 20 | |
| Surrogate: Nitrobenzene-d5 | *59.6* | | µg/L | 100 | | 59.6 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | *62.5* | | µg/L | 100 | | 62.5 | 30-130 | | | |
| Surrogate: p-Terphenyl-d14 | *65.1* | | µg/L | 100 | | 65.1 | 30-130 | | | |

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B288716 - SW-846 7470A Prep** | | | | | | | | | | |
| **Blank (B288716-BLK1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Mercury | ND | 0.00010 | mg/L | | | | | | | |
| **LCS (B288716-BS1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Mercury | 0.00380 | 0.00010 | mg/L | 0.00400 | | 95.1 | 80-120 | | | |
| **LCS Dup (B288716-BSD1)** | | | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Mercury | 0.00385 | 0.00010 | mg/L | 0.00400 | | 96.2 | 80-120 | 1.15 | 20 | |
| **Duplicate (B288716-DUP1)** | | **Source: 21H1092-01** | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Mercury | ND | 0.00010 | mg/L | | ND | | | NC | 20 | |
| **Matrix Spike (B288716-MS1)** | | **Source: 21H1092-01** | | Prepared: 08/23/21 Analyzed: 08/24/21 | | | | | | |
| Mercury | 0.00375 | 0.00010 | mg/L | 0.00400 | ND | 93.8 | 75-125 | | | |
| **Batch B289270 - SW-846 3005A** | | | | | | | | | | |
| **Blank (B289270-BLK1)** | | | | Prepared: 08/26/21 Analyzed: 09/05/21 | | | | | | |
| Antimony | ND | 1.0 | µg/L | | | | | | | |
| Arsenic | ND | 0.80 | µg/L | | | | | | | |
| Barium | ND | 10 | µg/L | | | | | | | |
| Beryllium | ND | 0.40 | µg/L | | | | | | | |
| Cadmium | ND | 0.20 | µg/L | | | | | | | |
| Copper | ND | 1.0 | µg/L | | | | | | | |
| Lead | ND | 0.50 | µg/L | | | | | | | |
| Nickel | ND | 5.0 | µg/L | | | | | | | |
| Selenium | ND | 5.0 | µg/L | | | | | | | |
| Silver | ND | 0.20 | µg/L | | | | | | | |
| Thallium | ND | 0.20 | µg/L | | | | | | | |
| Vanadium | ND | 5.0 | µg/L | | | | | | | |
| Zinc | ND | 10 | µg/L | | | | | | | |
| **LCS (B289270-BS1)** | | | | Prepared: 08/26/21 Analyzed: 09/05/21 | | | | | | |
| Antimony | 546 | 10 | µg/L | 500 | | 109 | 80-120 | | | |
| Arsenic | 505 | 8.0 | µg/L | 500 | | 101 | 80-120 | | | |
| Barium | 504 | 100 | µg/L | 500 | | 101 | 80-120 | | | |
| Beryllium | 493 | 4.0 | µg/L | 500 | | 98.6 | 80-120 | | | |
| Cadmium | 501 | 2.0 | µg/L | 500 | | 100 | 80-120 | | | |
| Copper | 930 | 10 | µg/L | 1000 | | 93.0 | 80-120 | | | |
| Lead | 505 | 5.0 | µg/L | 500 | | 101 | 80-120 | | | |
| Nickel | 491 | 50 | µg/L | 500 | | 98.1 | 80-120 | | | |
| Selenium | 476 | 50 | µg/L | 500 | | 95.2 | 80-120 | | | |
| Silver | 492 | 2.0 | µg/L | 500 | | 98.4 | 80-120 | | | |
| Thallium | 474 | 2.0 | µg/L | 500 | | 94.8 | 80-120 | | | |
| Vanadium | 494 | 50 | µg/L | 500 | | 98.9 | 80-120 | | | |
| Zinc | 1010 | 100 | µg/L | 1000 | | 101 | 80-120 | | | |

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B289270 - SW-846 3005A** | | | | | | | | | | |
| **LCS Dup (B289270-BSD1)** | | | | Prepared: 08/26/21 Analyzed: 09/05/21 | | | | | | |
| Antimony | 535 | 10 | µg/L | 500 | | 107 | 80-120 | 1.88 | 20 | |
| Arsenic | 504 | 8.0 | µg/L | 500 | | 101 | 80-120 | 0.336 | 20 | |
| Barium | 496 | 100 | µg/L | 500 | | 99.2 | 80-120 | 1.57 | 20 | |
| Beryllium | 492 | 4.0 | µg/L | 500 | | 98.4 | 80-120 | 0.117 | 20 | |
| Cadmium | 497 | 2.0 | µg/L | 500 | | 99.3 | 80-120 | 0.796 | 20 | |
| Copper | 922 | 10 | µg/L | 1000 | | 92.2 | 80-120 | 0.850 | 20 | |
| Lead | 499 | 5.0 | µg/L | 500 | | 99.8 | 80-120 | 1.20 | 20 | |
| Nickel | 491 | 50 | µg/L | 500 | | 98.2 | 80-120 | 0.108 | 20 | |
| Selenium | 477 | 50 | µg/L | 500 | | 95.5 | 80-120 | 0.296 | 20 | |
| Silver | 483 | 2.0 | µg/L | 500 | | 96.6 | 80-120 | 1.87 | 20 | |
| Thallium | 468 | 2.0 | µg/L | 500 | | 93.5 | 80-120 | 1.34 | 20 | |
| Vanadium | 486 | 50 | µg/L | 500 | | 97.3 | 80-120 | 1.64 | 20 | |
| Zinc | 987 | 100 | µg/L | 1000 | | 98.7 | 80-120 | 2.55 | 20 | |
| **Duplicate (B289270-DUP1)** | **Source: 21H1092-01** | | | Prepared: 08/26/21 Analyzed: 09/05/21 | | | | | | |
| Antimony | ND | 1.0 | µg/L | | ND | | | NC | 20 | |
| Arsenic | ND | 0.80 | µg/L | | ND | | | NC | 20 | |
| Barium | 405 | 10 | µg/L | | 405 | | | 0.0639 | 20 | |
| Beryllium | ND | 0.40 | µg/L | | ND | | | NC | 20 | |
| Cadmium | 0.655 | 0.20 | µg/L | | 0.633 | | | 3.44 | 20 | |
| Copper | 2.46 | 1.0 | µg/L | | 2.88 | | | 15.6 | 20 | |
| Lead | 0.629 | 0.50 | µg/L | | 0.702 | | | 10.9 | 20 | |
| Nickel | ND | 5.0 | µg/L | | ND | | | NC | 20 | |
| Selenium | ND | 5.0 | µg/L | | ND | | | NC | 20 | |
| Silver | ND | 0.20 | µg/L | | ND | | | NC | 20 | |
| Thallium | ND | 0.20 | µg/L | | ND | | | NC | 20 | |
| Vanadium | ND | 5.0 | µg/L | | ND | | | NC | 20 | |
| Zinc | ND | 10 | µg/L | | ND | | | NC | 20 | |
| **Matrix Spike (B289270-MS1)** | **Source: 21H1092-01** | | | Prepared: 08/26/21 Analyzed: 09/05/21 | | | | | | |
| Antimony | 542 | 10 | µg/L | 500 | ND | 108 | 75-125 | | | |
| Arsenic | 530 | 8.0 | µg/L | 500 | ND | 106 | 75-125 | | | |
| Barium | 939 | 100 | µg/L | 500 | 405 | 107 | 75-125 | | | |
| Beryllium | 504 | 4.0 | µg/L | 500 | ND | 101 | 75-125 | | | |
| Cadmium | 519 | 2.0 | µg/L | 500 | 0.633 | 104 | 75-125 | | | |
| Copper | 934 | 10 | µg/L | 1000 | 2.88 | 93.1 | 75-125 | | | |
| Lead | 517 | 5.0 | µg/L | 500 | ND | 103 | 75-125 | | | |
| Nickel | 495 | 50 | µg/L | 500 | ND | 99.0 | 75-125 | | | |
| Selenium | 506 | 50 | µg/L | 500 | ND | 101 | 75-125 | | | |
| Silver | 497 | 2.0 | µg/L | 500 | ND | 99.3 | 75-125 | | | |
| Thallium | 479 | 2.0 | µg/L | 500 | ND | 95.7 | 75-125 | | | |
| Vanadium | 494 | 50 | µg/L | 500 | ND | 98.7 | 75-125 | | | |
| Zinc | 1020 | 100 | µg/L | 1000 | ND | 102 | 75-125 | | | |

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B289330 - SW-846 3005A** | | | | | | | | | | |
| **Blank (B289330-BLK1)** | | | | Prepared: 08/31/21 Analyzed: 09/01/21 | | | | | | |
| Chromium | ND | 1.0 | µg/L | | | | | | | |
| **LCS (B289330-BS1)** | | | | Prepared: 08/31/21 Analyzed: 09/01/21 | | | | | | |
| Chromium | 518 | 10 | µg/L | 500 | | 104 | 80-120 | | | |
| **LCS Dup (B289330-BSD1)** | | | | Prepared: 08/31/21 Analyzed: 09/01/21 | | | | | | |
| Chromium | 469 | 10 | µg/L | 500 | | 93.8 | 80-120 | 10.0 | 20 | |
| **Duplicate (B289330-DUP1)** | | **Source: 21H1092-02RE1** | | Prepared: 08/31/21 Analyzed: 09/01/21 | | | | | | |
| Chromium | ND | 1.0 | µg/L | | ND | | | NC | 20 | |
| **Matrix Spike (B289330-MS1)** | | **Source: 21H1092-02RE1** | | Prepared: 08/31/21 Analyzed: 09/01/21 | | | | | | |
| Chromium | 467 | 10 | µg/L | 500 | ND | 93.3 | 75-125 | | | |

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**FLAG/QUALIFIER SUMMARY**

| | |
|---|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits established for difficult compound. |
| ‡ | Wide RPD limits established for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| ND | Not Detected |
| RL | Reporting Limit is at the level of quantitation (LOQ) |
| DL | Detection Limit is the lower limit of detection determined by the MDL study |
| MCL | Maximum Contaminant Level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| | No results have been blank subtracted unless specified in the case narrative section. |
| L-17 | Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria. |
| V-05 | Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound. |
| V-20 | Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound. |
| V-34 | Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated. |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 6020B in Water*** | |
| Antimony | CT,NH,NY,ME,VA,NC |
| Arsenic | CT,NH,NY,ME,VA,NC |
| Barium | CT,NH,NY,ME,VA,NC |
| Beryllium | CT,NH,NY,ME,VA,NC |
| Cadmium | CT,NH,NY,RI,ME,VA,NC |
| Chromium | CT,NH,NY,ME,VA,NC |
| Copper | CT,NH,NY,ME,VA,NC |
| Lead | CT,NH,NY,ME,VA,NC |
| Nickel | CT,NH,NY,ME,VA,NC |
| Selenium | CT,NH,NY,ME,VA,NC |
| Silver | CT,NH,NY,ME,VA,NC |
| Thallium | CT,NH,NY,ME,VA,NC |
| Vanadium | CT,NH,NY,ME,VA,NC |
| Zinc | CT,NH,NY,ME,VA,NC |
| ***SW-846 7470A in Water*** | |
| Mercury | CT,NH,NY,NC,ME,VA |
| ***SW-846 8260C-D in Water*** | |
| Acetone | CT,NH,NY,ME |
| Acrylonitrile | CT,NY,ME |
| Benzene | CT,NH,NY,ME |
| Bromobenzene | NY |
| Bromodichloromethane | CT,NH,NY,ME |
| Bromoform | CT,NH,NY,ME |
| Bromomethane | CT,NH,NY,ME |
| 2-Butanone (MEK) | CT,NH,NY,ME |
| n-Butylbenzene | NY,ME |
| sec-Butylbenzene | NY,ME |
| tert-Butylbenzene | NY,ME |
| Carbon Disulfide | CT,NH,NY,ME |
| Carbon Tetrachloride | CT,NH,NY,ME |
| Chlorobenzene | CT,NH,NY,ME |
| Chlorodibromomethane | CT,NH,NY,ME |
| Chloroethane | CT,NH,NY,ME |
| Chloroform | CT,NH,NY,ME |
| Chloromethane | CT,NH,NY,ME |
| 2-Chlorotoluene | NY,ME |
| 4-Chlorotoluene | NY,ME |
| 1,2-Dibromo-3-chloropropane (DBCP) | NY |
| 1,2-Dibromoethane (EDB) | NY |
| Dibromomethane | NH,NY,ME |
| 1,2-Dichlorobenzene | CT,NY,ME |
| 1,3-Dichlorobenzene | CT,NH,NY,ME |
| 1,4-Dichlorobenzene | CT,NH,NY,ME |
| trans-1,4-Dichloro-2-butene | NH,NY,ME |
| Dichlorodifluoromethane (Freon 12) | NH,NY,ME |
| 1,1-Dichloroethane | CT,NH,NY,ME |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

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




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

| Code | Description | Number | Expires |
|---|---|---|---|
| AIHA | AIHA-LAP, LLC - ISO17025:2017 | 100033 | 03/1/2022 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2022 |
| CT | Connecticut Department of Publilc Health | PH-0165 | 12/31/2022 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2022 |
| NH-S | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2022 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2021 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2021 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2022 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2022 |
| VT | Vermont Department of Health Lead Laboratory | LL720741 | 07/30/2022 |
| ME | State of Maine | MA00100 | 06/9/2023 |
| VA | Commonwealth of Virginia | 460217 | 12/14/2021 |
| NH-P | New Hampshire Environmental Lab | 2557 NELAP | 09/6/2022 |
| 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 | 09/6/2021 |

21H1092

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Page 1 of 1

Company Name: APEX COMPANIES
Address: 58 H CONNECTICUT AVE SOUTH WINDSOR, CT
Phone: 860-2E2-1700
Project Name: EVERSOURCE
Project Location: ENFIELD, CT
Project Number: 6089-012
Project Manager: DAVE SHERMAN
Con-Test Quote Name/Number:
Invoice Recipient: APEX
Sampled By: J. STANLEWICZ

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 [ ]
Dissolved Metals Sample: [O] Field Filtered [O] Lab to Filter
Orthophosphate Sample: [O] Field Filtered [O] Lab to Filter
Data Delivery: Format: PDF [X] EXCEL [ ] Other:
CLP Like Data Pkg Required: [ ]
Email To: DWILSON@APEXCOS.COM
Fax To #:

ANALYSIS REQUESTED

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | COMP/GRAB | Matrix Code | Conc Code | VIALS | GLASS | PLASTIC | BACTERIA | ENCORE | 8260 | 8270 PAH | TOTAL RSR METALS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-9 | 8/19/21 | 1025 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 2 | RW-3 | | 1140 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 3 | RW-4 | | 1305 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 4 | RW-5 | ↓ | 1445 | G | GW | U | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| 5 | MW-12 | 8/20/21 | 1035 | G | GW | U | 3 | | 1 | | | | | ✓ |
| 6 | ~~FD~~ MW-13 | ↓ | 1205 | G | GW | U | | | 1 | | | | | ✓ |
| 7 | TB | 6/22/21 | — | G | O | C | 2 | | | | | ✓ | | |
| 8 | FB | 8/20/21 | 1215 | G | O | C | 3 | 2 | 1 | | | ✓ | ✓ | ✓ |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Relinquished by: (signature) Date/Time: 8/20/21 1700
Received by: (signature) Date/Time: 8/20/21 1700
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments:

Detection Limit Requirements
MA
RCP = CTRSR RESVC 1/CVC & SWPC
Other:

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

NELAC and AIHA-LAP, LLC Accredited

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

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

Comments:

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

Lab 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
*Contest is not responsible for missing samples from prepacked coolers

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

[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)

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

[2] Preservation Code: H I N



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** Apex Companies **Received By** dk Date 5/20/21 Time 1700

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____
By Gun # 2 Actual Temp - 5.4
Were samples within Temperature? 2-6°C T 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 Project T Analysis T ID's T Sampler Name T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? F
Are there Short Holds? F
Is there enough Volume? T
Is there Headspace where applicable? T
Proper Media/Containers Used? T
Were trip blanks received? T
Do all samples have the proper pH? Acid T Base _____
Who was notified? _____
Who was notified? _____
Who was notified? _____
MS/MSD? F
Is splitting samples required? F
On COC? T

| Vials | # | Containers: | # | | # | | # |
|---|---|---|---|---|---|---|---|
| Unp- | | 1 Liter Amb. | 10 | 1 Liter Plastic | | 16 oz Amb. | |
| HCL- | 17 | 500 mL Amb. | | 500 mL Plastic | | 8oz Amb/Clear | |
| Meoh- | | 250 mL Amb. | | 250 mL Plastic | 7 | 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:**

# REASONABLE CONFIDENCE PROTOCOL
# LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

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

***Client:*** Apex Companies, LLC - South Windsor, C

***Project Location:*** Enfield, CT

***Project Number:*** 21H1092

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

21H1092-01 thru 21H1092-08

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

06/22/2021,
08/19/2021,
08/20/2021

*List RCP Methods Used:*

, , SW-846 6020B, SW-846 7470A, SW-846 8260C-D, SW-846 8270D-E

| | | |
|---|---|---|
| **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:** **09/07/21**

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

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