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DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
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Part I: Primary Recipient*: Remediation Program (* required)

For Remediation documents:	For LUST documents:
Primary Program*: Property Transfer	UST Facility ID:
Rem ID*: 11169	Spill Case Number:

Part II: Site Information

Site Name*: Former C L & P Operations Center
Site Address*: 176 Cumberland Avenue
City/Town*: Wethersfield State: CT Zip Code: 06109

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

Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:

Provide Project ID for each secondary program if it is known.
Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, etc.)

Part III: Document Information (document type required for appropriate program[s] only)

Remediation*: Annual Report
LUST*:
Date of Document*: 2/16/2022 Version: Final

Part IV: Submitter Information

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Name of company/business this document is being submitted on behalf of: *
Eversource

VIA CTDEEP SFT

February 16, 2022

Mr. David Ringquist
Remediation Division
Bureau of Water Protection and Land Reuse
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

RE: Status Report
Former CL&P Operations Center
176 Cumberland Avenue
Wethersfield, Connecticut
REM ID: 11169

Dear Mr. Ringquist:

Apex Companies, LLC, on behalf of Eversource Energy (Eversource), has prepared the attached Status Report for environmental activities that have been conducted at the former Connecticut Light and Power Company (CL&P) facility located at 176 Cumberland Avenue in Wethersfield, Connecticut. The report summarizes the activities conducted in 2021.

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

Sincerely,

APEX COMPANIES, LLC

Don E. Wilson
Assistant Project Manager

APEX COMPANIES, LLC

David B. Sherman, LEP, LSP
Program Director

ecc: Ms. Amy Voisine-Shea, Eversource
Mr. David Lansey, ABC Properties/Fisher Associates

2021 ANNUAL STATUS REPORT

Former CL&P Operations Center
176 Cumberland Avenue
Wethersfield, Connecticut
REM ID: 11169

February 16, 2022

Apex Project No.: 6089-015

Prepared for:

Eversource Energy Service Company
P.O. Box 270
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Prepared by:

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1.0 INTRODUCTION

Apex Companies, LLC (Apex), on behalf of Eversource Energy Service Company (Eversource), has prepared the following Status Report for environmental activities conducted at the former The Connecticut Light and Power Company (CL&P) facility located at 176 Cumberland Avenue in Wethersfield, Connecticut (the Site). This report summarizes monitoring activities conducted in 2021.

2.0 SITE BACKGROUND

On October 4, 2012, the Connecticut Department of Energy and Environmental Protection (CTDEEP) issued a letter to Wethersfield, LLC acknowledging receipt of a Form III and an Environmental Condition Assessment Form (ECAF) in support of a transfer of the property from Wethersfield, LLC to the Capitol Region Education Council (CREC). Wethersfield, LLC was the Certifying Party for the transfer, and Eversource is currently monitoring the completion of certain remediation activities at the Site. Note that while Eversource is performing certain environmental activities at the Site, Eversource is not the Certifying Party per the Connecticut Transfer Act. Responsibility for oversight of assessment and remediation at this Site has been delegated to a Connecticut Licensed Environmental Professional (LEP) under CGS Section 22a-134x. A Schedule for Investigation and Remediation letter was submitted to CTDEEP on December 17, 2012.

The Site was initially developed in the mid-1950s by CL&P (a subsidiary of Northeast Utilities [NU], now known as Eversource Energy) primarily for use as a call/data center. Additional uses included vehicle maintenance and equipment warehousing. Records indicate that CL&P and other NU companies (collectively NU) occupied the Site from the mid-1950s until 2006. These records also indicate that the Site was owned by a series of real estate companies for which NU was a tenant. Town of Wethersfield records document that Wethersfield, LLC purchased the property in 1998, and CREC is the current property owner.

The Site has been redeveloped by CREC for use as a school (CREC Discovery Academy). The redevelopment plan involved the preservation of certain portions of the Site structure and demolition of other portions of the site building. Construction was completed at the Site in the fall of 2015, and the school has been open since then.

The subject property is located in a mixed commercial and residential area of Wethersfield. The Site is bordered to the east and south primarily by residential properties. It is bordered to the northeast by office buildings, to the northwest by the Wilbur Cross Highway, and is primarily undeveloped and wooded to the west. The geographic location of the Site and its immediate surroundings are included on **Figure 1**.

According to the CTDEEP Water Quality Classification Map of Connecticut, groundwater beneath the Site is classified as GA, which is defined as groundwater that is suitable for drinking without treatment. A Site Plan depicting pertinent site features is included as **Figure 2**.

A Remedial Action Plan (RAP) was prepared by Apex and submitted to CTDEEP in April 2013. The RAP described site conditions, remedial goals, and remedial activities to be performed to address soil and groundwater impacts. As detailed in the RAP, Apex performed a review of remediation alternatives and determined that two remedial technologies were the most applicable and cost effective for remediating soil and groundwater at this Site: 1) excavation and off-site disposal of impacted soil, and 2) monitored natural attenuation of impacted groundwater.

3.0 SOIL REMEDIATION

Soil excavation activities as outlined in the RAP were conducted by True Blue Environmental, Inc. of Wallingford, Connecticut on July 17, 2013 and were overseen by an Apex environmental scientist. Excavation activities were conducted in the vicinity of monitoring well AP-11, which was located in a former loading dock area on the western side of the original site building. Based on prior sampling results, extractable total petroleum hydrocarbons (ETPH) were identified as the contaminant of concern. The completed excavation measured 10 feet by 10 feet, centered on monitoring well AP-11, and extended to 12 feet below grade (fbg). A total of 69.75 tons of impacted soil was disposed of offsite at the Ted Ondrick Company, LLC facility in Chicopee, Massachusetts.

Confirmatory soil samples were collected by Apex personnel from 8 to 10 fbg on all four sidewalls and from the bottom of the excavation. The samples were submitted to Con-Test Analytical Laboratory (Con-Test) in East Longmeadow, Massachusetts and analyzed for ETPH. The results of the laboratory analytical data indicate that there were no detections of ETPH above the laboratory reporting limits (RLs) in any of the post-excavation samples. Following receipt of the sampling results, the excavation was backfilled to grade with clean fill.

Based on the laboratory results, excavation of the impacted area was successful, and soil remediation is complete. A letter report dated August 27, 2013 was submitted to CTDEEP to document the soil remediation activities.

4.0 GROUNDWATER MONITORING WELL REPLACEMENT

During redevelopment and related construction activities of the school, many groundwater monitoring wells were destroyed and required replacement. In September 2014, replacement wells AP-6R and AP-11R were installed. Subsequently, during June 2015, nine additional replacement groundwater monitoring wells (AP-1R, AP-2R, AP-3R, AP-4R, AP-9R, AP-12R, AP-13R, AP-15R, and AP-101R) were installed as described in the 2015 Annual Status Report.

Since installation of the replacement wells in 2015, two of these wells (AP-13R and AP-15R) have been reported as dry/and or did not contain enough groundwater for sampling during the annual groundwater sampling events. Two new shallow bedrock wells (AP-13R-BR and AP-15R-BR) were installed at these locations on August 17, 2018. Monitoring well AP-13R-BR was installed in a small, landscaped area adjacent to well AP-13R. Monitoring well AP-15R was over-drilled to

install well AP-15R-BR. Details of the August 2018 well installation were described in the 2018 Annual Status Report. The replacement well locations are depicted on **Figure 2**.

5.0 GROUNDWATER MONITORING ACTIVITIES

Quarterly groundwater sampling events occurred on March 17 and 18, June 23 and 24, September 23 and 24, and December 28 and 29, 2021. During the monitoring events, samples were collected from 5 monitoring wells: AP-3R, AP-6R, AP-11R, AP-12R and AP-15R-BR.

Prior to sampling, each monitoring well was gauged with an electronic interface probe (IP) capable of detecting non-aqueous phase liquid (NAPL) and depth to water to an accuracy of 0.01 feet. The purpose of the gauging is to collect data regarding depth to water and the thickness of the saturated zone in each well prior to sampling and to determine the potential presence of any light or dense NAPL (LNAPL or DNAPL). Measurable NAPL was not detected in any of the on-site monitoring wells during the groundwater monitoring events. Depth to groundwater ranged from 2.73 feet (AP-3R, December) to 15.43 feet (AP-11R, June).

During the groundwater monitoring events, Apex personnel performed low-flow sampling in general accordance with the United States Environmental Protection Agency (USEPA) *Low Stress Purging and Sampling of Groundwater Samples from Monitoring Wells* Revised September 19, 2017). As required by the purging and sampling protocol, groundwater was monitored during well purging using a water quality meter with a flow through cell for the following parameters: temperature, specific conductivity, pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity. Once each of these parameters stabilized, or if parameter readings did not stabilize after a minimum of 60 minutes of purging, a groundwater sample was collected.

During the 2021 sampling events, one well (AP-12R) lacked sufficient water volume, therefore, field parameter readings were not collected during any of the 2021 groundwater monitoring events.

The collected groundwater samples were immediately placed in laboratory-provided glassware and submitted to Con-test a Pace Analytical Laboratory (Con-Test) for analysis in accordance with one or more of the following analytical methods:

- Volatile organic compounds (VOCs) (EPA Method 8260);
- Semi-volatile organic compounds (SVOCs) (EPA Method 8270);
- Extractable Petroleum Hydrocarbons (EPH) (Massachusetts Method);
- Total Remediation Standard Regulations (RSRs) metals[1] (EPA Method 6020/7470); and
- Mercury (EPA Method 6020/7470).

[1] Metals listed in the Connecticut RSRs, as follows: antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium and zinc

Please note, due to a laboratory error, EPH was not analyzed at AP-6R during the March 2021 sampling event. However, since compliance for EPH was achieved in 2020 at this location, EPH analyzed during 2021 was conducted for confirmatory results to be compliment with the SVOC analysis being conducted to achieve lower detection limits for bis(2-ethylhexyl) phthalate. In addition, to determine if elevated turbidity may be causing elevated concentrations in select wells, groundwater samples collected from AP-3R and AP-15R-BR were also field filtered and these filtered samples were submitted for additional SVOC and Total RSR metal analysis. Well sampling records documenting well purging and monitoring activities are provided in **Appendix A**.

5.1 Calculation of Alternative Surface Water Protection Criteria

Alternative SWPC was calculated for certain compounds (arsenic and zinc) in accordance with the RSRs (Section 22a-133l-3(b)(3)(A)). The Alternative SWPC was calculated by multiplying the lower of the human health or aquatic life criterion in Appendix D of the Connecticut Water Quality Standards by a calculated SWPC multiplier. The SWPC multiplier was calculated using the following equation: [(0.25 x 7Q10) / Q_{plume}] where 7Q10 is river discharge for the seven-day ten-year low flow of the downgradient surface water body into which the subject groundwater plume discharges, and Q_{plume} is equal to the average daily discharge of impacted groundwater from the subject groundwater plume. The calculation utilized output data from USGS StreamStats to calculate the 7Q10 stream flow, site-specific data and specific information related to Beaver Brook as the nearest downgradient receiving surface water. The calculated Alternative SWPC for arsenic and zinc was calculated as:

- Arsenic: 0.699 milligrams per liter (mg/L); and
- Zinc: 0.303 mg/L

The calculation worksheets are provided in **Appendix B** and are updated in **Table 1**.

5.2 Groundwater Sampling Results

No VOCs were detected above laboratory reporting limits in any of the groundwater samples collected during the 2021 groundwater monitoring events.

SVOCs were detected in monitoring well AP-12R, including anthracene (Below Reporting Limits (BRL) to 0.32 micrograms per liter (µg/L)), benzo(a)anthracene (BRL to 0.16 µg/L), benzo(a)pyrene (BRL to 0.14 µg/L), benzo(b)fluoranthene (BRL to 0.21 µg/L), fluoranthene (BRL to 0.70 µg/L) and phenanthrene (0.056 µg/L to 1.5 µg/L). The detected concentrations of benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene exceeded the GWPC during the June 2021 sampling event. Detected concentrations of phenanthrene exceeded the SWPC during the June and September sampling events. SVOCs were not detected above laboratory reporting limits in any of the other wells sampled during 2021.

No concentrations of petroleum hydrocarbon fractions or target analytes were detected in any of the groundwater samples collected during 2021.

Certain metals (antimony, arsenic, barium, cadmium, chromium, copper, lead, nickel, and zinc) were detected in one or more samples during the 2021 sampling events. However, only concentrations of zinc were detected above the RSR SWPC and Alternative SWPC calculated for the Site (0.580 mg/L September 2021). A previous sampling event conducted in 2020, also reported an elevated concentration of zinc, exceeding the RSR SWPC and the Alternative SWPC. Review of the field sampling logs for these sampling events conducted in 2020 and 2021 indicated that when the field sampling turbidity was higher than 30 NTU, zinc was reported at concentrations exceeding the applicable zinc SWPC and alternative SWPC. Based on this, it was recommended that to determine if sediment in the sample may be causing these elevated metal concentrations at AP-15R-BR, an additional metals samples would be field filtered during the 2021 sampling events and also submitted for total metals analysis.

Results of all field filtered total metals results for samples collected during 2021 from AP-15R-BR were below the SWPC and alternative SWPC.

A summary of recent and historical groundwater analytical results for the parameters presented above is included as **Table 1**. The 2021 laboratory analytical reports are included in **Appendix C.**

5.3 Data Quality and Usability

Laboratory analytical quality assurance/quality control (QA/QC) was conducted in general accordance with the *Laboratory Quality Assurance and Quality Control Guidance – Reasonable Confidence Protocols* (CTDEEP, 2007). The laboratory reports were reviewed for non-conformances related to site specific compounds of concern. Specific qualifications are presented in the case narrative summaries in the attached laboratory reports in **Appendix C**.

Laboratory Reports 21C0981 and 21C0983

A data quality assessment was conducted for Con-Test laboratory reports 21C0981 and 21C0983 representing the groundwater samples collected during the March 2021 groundwater monitoring activities. Field-based QA/QC included a trip blank, matrix spike/matrix spike duplicate (MS/MSD), and a field duplicate.

No VOCs were detected in the trip blank. The sample from well AP-15R-BR was used as the MS/MSD. A field duplicate sample (DUP) was collected from well AP-3R. No VOCs, SVOCs, or EPH were detected in the parent or duplicate samples.

The Relative Percent Difference (RPD) between the parent and duplicate samples was calculated to assess sample precision. The parent/duplicate RPDs were all within acceptable limits.

- Barium was detected in the parent sample at 0.110 mg/L and in the duplicate sample at 0.110 mg/L; RPD 0%.
- Cadmium was detected in the parent sample at 0.000049 mg/L and in the duplicate

sample at 0.000049 mg/L; RPD 0%.

- Copper was detected in the parent sample at 0.0050 mg/L and in the duplicate sample at 0.0043 mg/L; RPD 15%.
- Zinc was detected in the parent sample at 0.023 mg/L and in the duplicate sample at 0.019 mg/L; RPD 19%.

Non-conformances for the submitted samples and/or laboratory QA/QC samples were noted and are summarized below.

- Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for select compounds are likely to be biased on the low side;
- Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for select reported results or non-homogeneous sample aliquots cannot be eliminated;
- Select matrix spike duplicate and laboratory fortified blank duplicate RPDs are outside of control limits. Reduced precision is anticipated for reported results for select compounds in select samples;
- Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for select compounds; and
- Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for select compounds. Reported result are estimated.

All other non-conformances are associated with analytes that were not detected in any of the groundwater samples and are not considered to be constituents of concern for the site.

Effective analytical accuracy and precision were demonstrated via acceptable recoveries of surrogates, LCS, and/or LCS duplicate samples.

Based upon the project-specific QC sample results, the project data set overall satisfies the project's data quality objectives. Accordingly, the data is deemed usable for its intended purpose of monitoring and evaluating Site groundwater quality. Detailed results of all internal laboratory QC samples and field-based QA/QC samples submitted for laboratory analysis are presented in the laboratory analytical reports provided as **Appendix C**.

Laboratory Reports 21F581 and 21F584

A data quality assessment was conducted for Con-Test laboratory reports 21F581, 21F584, representing the groundwater samples collected during the June 2021 groundwater monitoring activities. Field-based QA/QC included a trip blank, matrix spike/matrix spike duplicate (MS/MSD), and a field duplicate.

No VOCs were detected in the trip blank. The sample from well AP-15R-BR was used as the MS/MSD. A field duplicate sample (DUP) was collected from well AP-3R. No VOCs, SVOCs, or

EPH were detected in the parent or duplicate samples.

The Relative Percent Difference (RPD) between the parent and duplicate samples was calculated to assess sample precision. The parent/duplicate RPDs were all within acceptable limits.

- Barium was detected in the parent sample at 0.190 mg/L and in the duplicate sample at 0.190 mg/L; RPD 0%.
- Copper was detected in the parent sample at 0.0025 mg/L and in the duplicate sample at 0.0024 mg/L; RPD 4.1%.
- Nickel was detected in the parent sample at 0.0053 mg/L and in the duplicate sample at 0.0054 mg/L; RPD 1.9%.
- Zinc was detected in the parent sample at 0.0053 mg/L and in the duplicate sample at 0.0040 mg/L; RPD 28%.

Non-conformances for the submitted samples and/or laboratory QA/QC samples were noted and are summarized below.

- Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for select reported results or non-homogeneous sample aliquots cannot be eliminated;
- CCV did not meet method specifications and was biased on the low side for select compounds;
- CCV did not meet method specifications and was biased on the high side for select compounds;
- ICV did not meet method specifications and was biased on the low side for select compounds. Reported result are estimated; and
- Select matrix spike duplicate and laboratory fortified blank duplicate RPDs are outside of control limits. Reduced precision is anticipated for reported results for select compounds in select samples.

All other non-conformances are associated with analytes that were not detected in any of the groundwater samples and are not considered to be constituents of concern for the site.

Effective analytical accuracy and precision were demonstrated via acceptable recoveries of surrogates, LCS, and/or LCS duplicate samples.

Based upon the project-specific QC sample results, the project data set overall satisfies the project's data quality objectives. Accordingly, the data is deemed usable for its intended purpose of monitoring and evaluating Site groundwater quality. Detailed results of all internal laboratory QC samples and field-based QA/QC samples submitted for laboratory analysis are presented in the laboratory analytical reports provided as **Appendix C**.

Laboratory Reports 21I390 and 21I392

A data quality assessment was conducted for Con-Test laboratory reports 21I390 and 21I392 representing the groundwater samples collected during the September 2021 groundwater monitoring activities. Field-based QA/QC included a trip blank, matrix spike/matrix spike duplicate (MS/MSD), and a field duplicate.

No VOCs were detected in the trip blank. The sample from well AP-15R-BR was used as the MS/MSD. A field duplicate sample (DUP) was collected from well AP-3R. No VOCs, SVOCs, or EPH were detected in the parent or duplicate samples.

The Relative Percent Difference (RPD) between the parent and duplicate samples was calculated to assess sample precision. The parent/duplicate RPDs were all within acceptable limits with the exception of arsenic.

- Arsenic was not detected in the parent sample (Laboratory Reporting Limit 0.00080 mg/L); however, it was detected in the duplicate sample at 0.0011 mg/L; RPD 152%.
- Barium was detected in the parent sample at 0.210 mg/L and in the duplicate sample at 0.220 mg/L; RPD 4.7%.
- Cadmium was detected in the parent sample at 0.000068 mg/L and in the duplicate sample at 0.000079 mg/L; RPD 15%.
- Copper was detected in the parent sample at 0.0022 mg/L and in the duplicate sample at 0.0022 mg/L; RPD 0%.
- Zinc was detected in the parent sample at 0.0043 mg/L and in the duplicate sample at 0.0053 mg/L; RPD 21%.

Non-conformances for the submitted samples and/or laboratory QA/QC samples were noted and are summarized below.

- Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for select reported results or non-homogeneous sample aliquots cannot be eliminated;
- Surrogate outside of control limits;
- CCV did not meet method specifications and was biased on the low side for select compounds;
- CCV did not meet method specifications and was biased on the high side for select compounds;
- Select matrix spike duplicate and laboratory fortified blank duplicate RPDs are outside of control limits. Reduced precision is anticipated for reported results for select compounds in select samples; and
- Initial calibration did not meet method specifications. Compounds were calibrated using a response factor where % RSD is outside of method specified criteria. Select reported results are estimated.

All other non-conformances are associated with analytes that were not detected in any of the groundwater samples and are not considered to be constituents of concern for the site.

Effective analytical accuracy and precision were demonstrated via acceptable recoveries of surrogates, LCS, and/or LCS duplicate samples.

Based upon the project-specific QC sample results, the project data set overall satisfies the project's data quality objectives. Accordingly, the data is deemed usable for its intended purpose of monitoring and evaluating Site groundwater quality. Detailed results of all internal laboratory QC samples and field-based QA/QC samples submitted for laboratory analysis are presented in the laboratory analytical reports provided as **Appendix C**.

Laboratory Reports 21L961 and 21L962

A data quality assessment was conducted for Con-Test laboratory reports 21L961 and 21L962 representing the groundwater samples collected during the December 2021 groundwater monitoring activities. Field-based QA/QC included a trip blank, matrix spike/matrix spike duplicate (MS/MSD), and a field duplicate.

No VOCs were detected in the trip blank. The sample from well AP-15R-BR was used as the MS/MSD. A field duplicate sample (DUP) was collected from well AP-3R. No VOCs, SVOCs, or EPH were detected in the parent or duplicate samples.

The Relative Percent Difference (RPD) between the parent and duplicate samples was calculated to assess sample precision. The parent/duplicate RPDs were all within acceptable limits.

- Arsenic was detected in the parent sample at 0.0013 mg/L and in the duplicate sample at 0.0011 mg/L; RPD 16.7%.
- Barium was detected in the parent sample at 0.140 mg/L and in the duplicate sample at 0.140 mg/L; RPD 0%.
- Cadmium was detected in the parent sample at 0.000081 mg/L and in the duplicate sample at 0.000070 mg/L; RPD 14.6%.
- Chromium was detected in the parent sample at 0.0011 mg/L and in the duplicate sample at 0.0013 mg/L; RPD 16.7%.
- Copper was detected in the parent sample at 0.0028 mg/L and in the duplicate sample at 0.0031 mg/L; RPD 10.2%.
- Lead was detected in the parent sample at 0.00051 mg/L; however, it was not detected in the duplicate sample (Laboratory Reporting Limit 0.00050 mg/L); RPD 2%.
- Zinc was detected in the parent sample at 0.0028 mg/L and in the duplicate sample at 0.0016 mg/L; RPD 5.5 %.

Non-conformances for the submitted samples and/or laboratory QA/QC samples were noted and are summarized below.

- Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for select reported results or non-homogeneous sample aliquots cannot be eliminated;
- Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for select compounds are likely to be biased on the low side;
- CCV did not meet method specifications and was biased on the low side for select compounds;
- CCV did not meet method specifications and was biased on the high side for select compounds; and
- Initial calibration did not meet method specifications. Compounds were calibrated using a response factor where % RSD is outside of method specified criteria. Select reported results are estimated.

All other non-conformances are associated with analytes that were not detected in any of the groundwater samples and are not considered to be constituents of concern for the site.

Effective analytical accuracy and precision were demonstrated via acceptable recoveries of surrogates, LCS, and/or LCS duplicate samples.

Based upon the project-specific QC sample results, the project data set overall satisfies the project's data quality objectives. Accordingly, the data is deemed usable for its intended purpose of monitoring and evaluating Site groundwater quality. Detailed results of all internal laboratory QC samples and field-based QA/QC samples submitted for laboratory analysis are presented in the laboratory analytical reports provided as **Appendix C**.

6.0 FUTURE ACTIVITIES

As noted in previous annual reports, current CTDEEP regulations indicate that compliance monitoring is achieved with four compliance events completed within a two year period to account for variable season changes. Analytical results for the four quarterly sampling events conducted at the Site in 2021 indicate that groundwater compliance has been demonstrated at select monitoring wells, AP-3R, AP-11R and AP-6R that were monitored during 2021.

During 2021, zinc was reported at a concentration at AP-15R-BR during the September 2021 sampling event exceeding both the RSR SWPC and the Alternative SWPC. Review of the field sampling logs for sampling events conducted in 2020 and 2021 indicated that when the field sampling turbidity was higher than 30 NTU, zinc was reported at elevated concentrations exceeding the applicable zinc SWPC and alternative SWPC. Based on this, it was recommended that to determine if sediment may be causing the elevated metal concentrations at AP-15R-BR, additional metals samples would be field filtered during the 2021 sampling events and also submitted for total metals analysis. Results of all field filtered total metals results for samples collected during 2021 from AP-15R-BR were below the calculated Alternative SWPC. Thus, based on the 2021 groundwater total and filtered analytical results and the fact that previous soil

analytical results revealed only low detectable concentrations of metals below applicable RSR criteria, Apex recommends that no further sampling of AP-15R-BR be conducted at this time.

Additionally, AP-12R typically has historically contained very minimal groundwater, and sampling the groundwater at this location using low-flow techniques is not feasible. A grab groundwater sample is typically collected from this well and this sample usually contains a significant amount of sediment, and often times requires two days to collect due to poor groundwater recharge. Results of groundwater sampling completed to date indicate that select PAHs and metals have been reported above applicable RSR criteria at this well. AP-12R is located within Area of Concern (AOC) #2 in the north-central portion of the Site and where a former fuel oil UST and AST were located. Based on review of the overburden soil boring logs and the soil analytical results collected from this AOC, no detection of petroleum constituents were reported. Petroleum compounds were also not detected in the hydraulically downgradient overburden soils. Low concentrations of select metals were detected in soil within this AOC but all detected metals were below applicable RSR criteria.

Given the limited amount of water that is reported during previous sampling events at AP-12R, to further assess the groundwater within this AOC, a deeper well into the bedrock would need to be installed. However, given the fact that no petroleum constituents were detected in the shallow soils within this AOC or immediately downgradient, and the fact that all detected metals in soil were below applicable RSR criteria, it is Apex's opinion that the exceedances reported in groundwater to date at AP-12R are not the result of releases within this AOC but are due to sediment contained in the limited grab groundwater samples collected at this well. It also should be noted that during the December 2021 sampling event, just over two feet of groundwater was measure at AP-12R and although there still was not enough groundwater to sample using low-flow sampling techniques, it was noted by the field staff that they were able to fill all the bottles from a grab sample during one day without the well going dry. All reported results from AP-12R were below applicable RSR criteria during this event. Based on the soil and groundwater analytical results competed to date, Apex recommends that no further groundwater sampling be conducted at AP-12R. Accordingly, it is also Apex's opinion that no further soil and/or groundwater sampling is needed within any of the other AOCs previously identified for the Site.

7.0 REFERENCES

Remedial Action Plan, Apex, April 2013

Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (United States Environmental Protection Agency, EPA, September 2017)

Remediation Standard Regulations, CTDEEP, June 2013

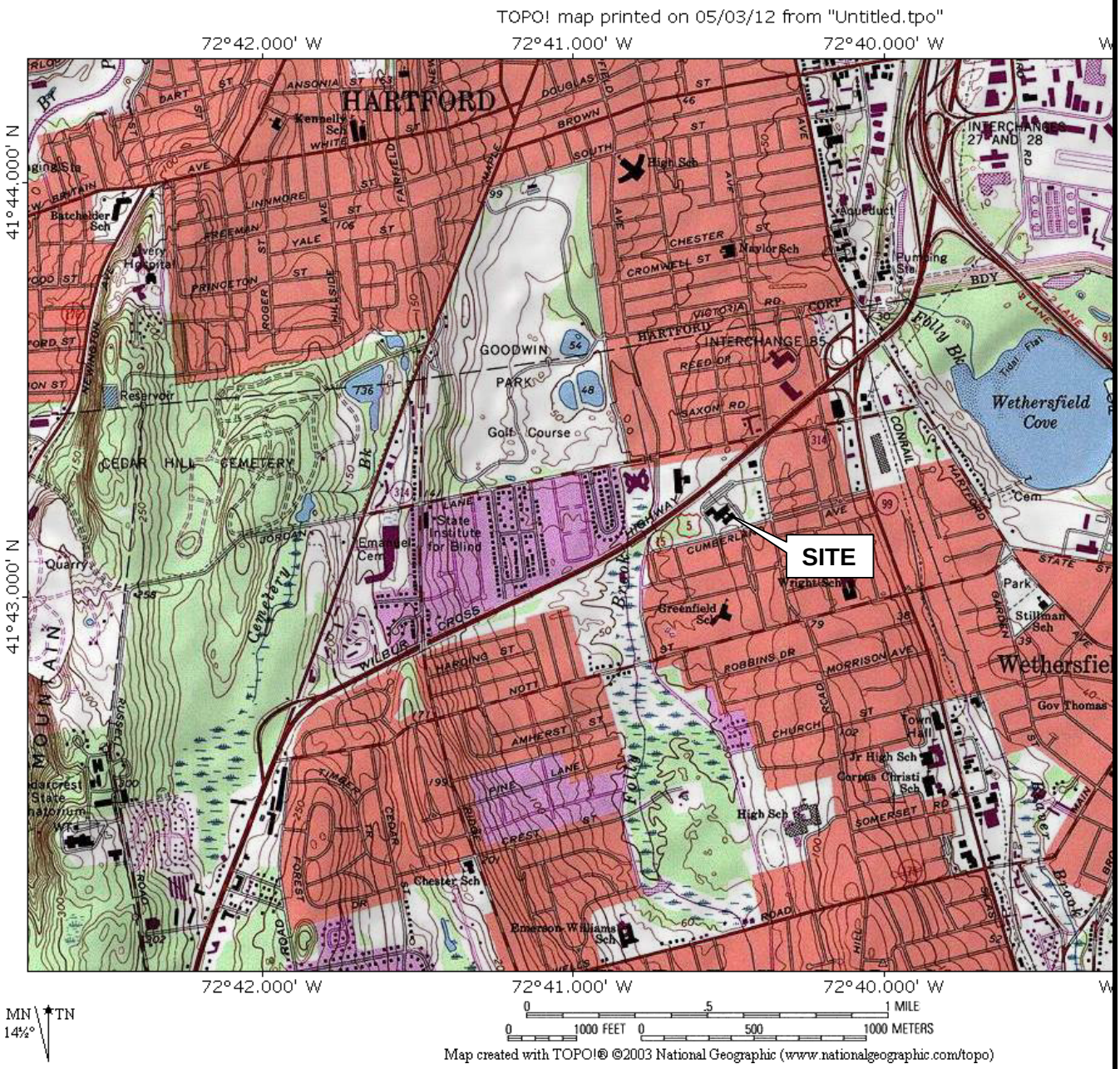
Technical Support Document: Recommended Criteria for Common Additional Pollution Substances and Certain Alternative Criteria, CTDEEP, December 2015

Laboratory Quality Assurance and Quality Control Guidance – Reasonable Confidence Protocols, CTDEEP, July 2007

FIGURES

Figure 1
Site Location Map

176 Cumberland Avenue
Wethersfield, Connecticut



APEX

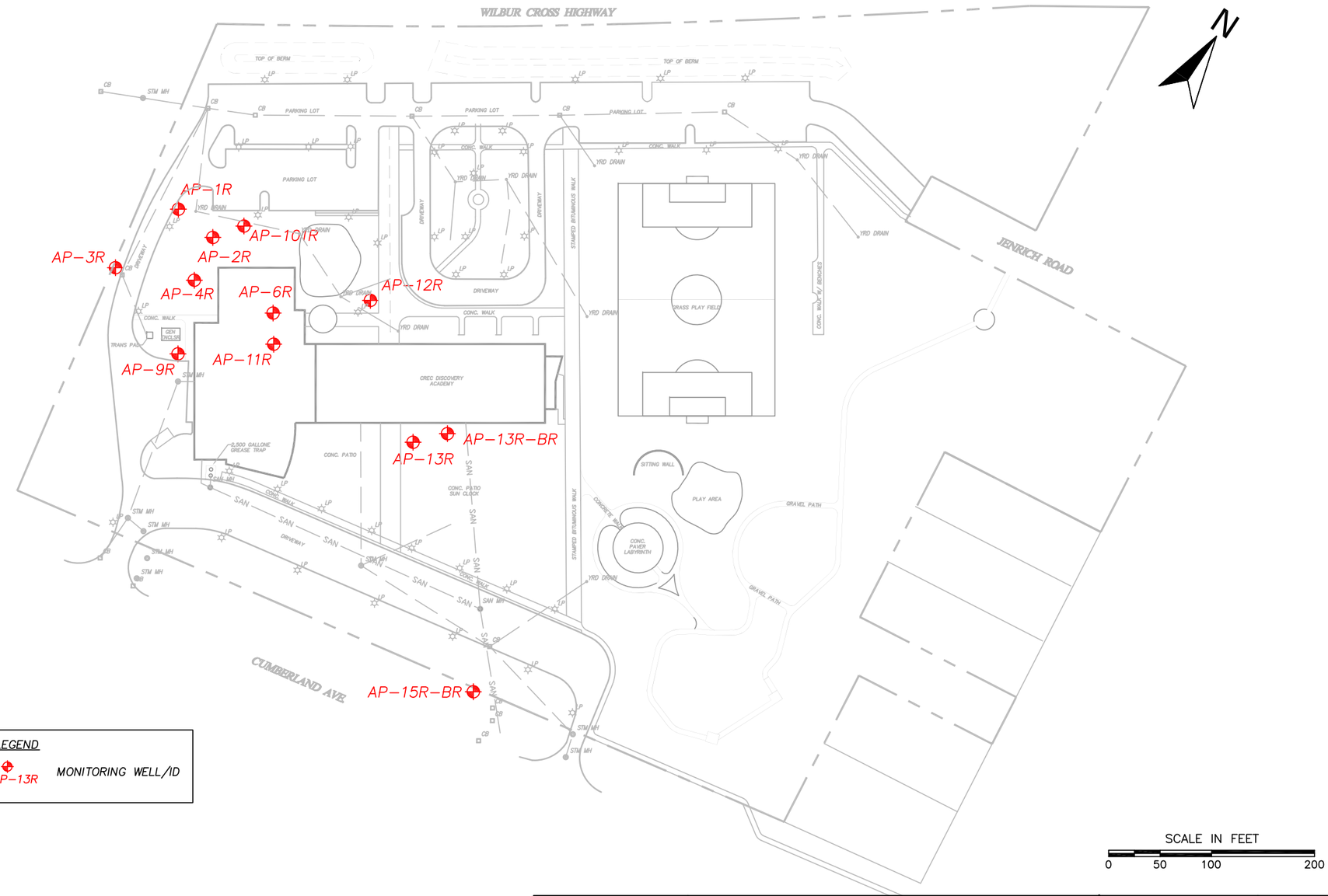
58H Connecticut Avenue
South Windsor, Connecticut
Telephone: (860) 282-1700

United States Department of the Interior
Geological Survey
7.5 Minute Series Topographic Map
Contour Interval: 20 feet
Scale: 1 inch = 2,000 feet

Wethersfield, Connecticut, 2003

Project:
Site Assessment

Apex Job #: 5783-012



NOTES:

THE BASE MAP WAS PREPARED BY O'BRIEN ASSOCIATES, INC. FILE 3395 DATED SEP. 29, 2015.

CHECK BY	DK
DRAWN BY	MCK
DATE	2/20/2019
SCALE	1"=100'
CAD NO.	FIGURE 1
PRJ NO.	6089-015

SITE PLAN

FORMER CL&P OPERATIONS CENTER
176 CUMBERLAND AVE.
WETHERSFIELD, CONNECTICUT

APEX

FIGURE
2

TABLES

APEX

TABLE 1
Groundwater Analytical Results - Detected Analytes

Former CL&P Operations Center
Eversource Energy
176 Cumberland Avenue
Wethersfield, Connecticut

| Well ID: | AP-3R | | | | | | | | | | | | | | | | | | | | | | | AP-6R | | | | | | | | | | | | | | | | | | |

APEX

TABLE 1 con't
Groundwater Analytical Results - Detected Analytes

Former CL&P Operations Center
Eversource Energy
176 Cumberland Avenue
Wethersfield, Connecticut

| Well ID: | AP-11R | | | | | | | | | | | | | AP-12R | | | | | | | | | | | | | | | | | AP-15R-BR | | | | | | | | | | | | | | | | |

APPENDIX A

WELL SAMPLING RECORDS

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

Page 1 of 2

Location (Site/Facility Name): EE Wethersfield
Well Number: AP-3R Date: 3/17/2021
Field Personnel: M. Ludny
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~10.5'
Purging Device; (pump type): Geopump

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	2.99	–	–	–	–	–	–	–	–	–	
10:30	3.13	–	–	–	7.7	1617	7.44	16.1	2.60	76.68	DTB: 11:20
10:35	3.22	–	–	–	7.8	1639	7.05	26.5	1.11	50.49	
10:40	3.35	–	–	–	7.9	1632	6.94	35.8	0.96	40.97	
10:45	3.43	–	–	–	7.9	1624	6.91	42.3	0.93	34.39	
10:50	3.52	–	–	–	7.8	1627	6.89	47.4	0.88	31.79	
10:55	3.64	–	–	–	7.9	1627	6.88	50.1	0.81	30.55	
11:00	3.72	–	–	–	8.0	1623	6.88	51.6	0.80	26.77	
11:05	3.84	–	–	–	8.1	1607	6.87	52.9	0.88	24.12	
11:10	3.92	–	–	–	7.9	1421	6.86	59.7	2.67	18.73	
11:15	3.96	–	–	–	7.7	1262	6.81	71.7	4.22	13.60	
11:20	4.00	–	–	–	7.5	1196	6.74	82.8	4.89	7.74	
11:25	4.04	–	–	–	7.6	1218	6.71	88.7	4.42	8.60	
11:30	4.08	–	–	–	7.7	1230	6.70	93.1	4.88	7.26	

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): EE - Wethersfield
Well Number: AP-31R Date: 3/17/2021
Field Personnel: M. Lueby
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 10.5'
Purging Device; (pump type): Geopump

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		–	–	–	–	–	–	–	–	–	
11:35	4.10	–	–	–	7.7	1253	6.69	97.0	4.88	7.61	DTB = 11.20
11:40	4.12	–	–	–	7.7	1271	6.68	99.4	4.88	7.71	
11:45	4.14	–	–	2gals	7.7	1303	6.68	101.0	4.77	9.25	
						SAMPLED @		11:50			

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? Spec Cond + NTU (NTU started to increase Apex took sample)

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

Location (Site/Facility Name): EE- Wethersfield — Page 1 of 2
Well Number: AP-6R Date: 3/18/2021
Field Personnel: M. Ludwig
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~16.5'
Purging Device; (pump type): Geopump

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	13.48	–	–	–	–	–	–	–	–	–	DTW = 19.94
11:55	13.61	—	—	—	16.4	1817	7.73	85.2	2.90	50.19	
12:00	13.70	—	—	—	16.8	1711	7.67	92.7	2.81	43.19	
12:05	13.73	—	—	—	17.0	1670	7.66	94.5	2.89	40.29	
12:10	13.75	—	—	—	17.2	1558	7.65	97.5	3.18	38.63	
12:15	13.78	—	—	—	17.2	1568	7.64	99.7	3.26	47.01	
12:20	13.80	—	—	—	17.3	1400	7.65	101.4	4.07	53.96	
12:25	13.83	—	—	—	17.3	1566	7.64	103.3	3.52	41.46	
12:30	13.86	—	—	—	17.3	1422	7.68	103.3	4.33	23.80	
12:35	13.88	—	—	—	17.3	1527	7.63	105.8	3.73	28.17	
12:40	13.88	—	—	—	17.3	1664	7.63	106.4	3.11	28.74	
12:45	13.89	—	—	—	17.5	1268	7.67	106.7	5.05	15.72	
12:50	13.89	—	—	—	17.5	1333	7.59	110.7	5.14	13.55	
12:55	13.84	—	—	—	17.4	1640	7.63	112.0	3.31	24.44	

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): EE- Wethersfield
Well Number: AP-6R Date: 3/18/2021
Field Personnel: M. Ludwig
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~165'
Purging Device; (pump type): Geopump

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	–	–	–	–	–	–	–	–	–	–	DTB: 19.94
1:00	13.90	–	–	–	17.5	1776	7.62	109.9	2.80	22.97	
1:05	13.90	–	–	–	17.4	1764	7.63	109.4	2.76	20.38	
1:10	13.90	–	–	–	17.4	1759	7.62	109.0	2.74	17.07	
1:15	13.90	–	–	–	17.4	1763	7.62	108.7	2.70	15.61	
1:20	13.90	–	–	–	17.4	1752	7.62	108.4	2.69	14.39	
1:25	13.91	–	–	–	17.4	1758	7.62	108.2	2.66	12.90	
1:30	13.91	–	–	–	17.4	1757	7.62	107.8	2.65	11.89	
1:35	13.91	–	–	–	17.4	1749	7.62	107.7	2.68	11.77	
1:40	13.91	–	–	–	17.4	1748	7.62	107.6	2.64	10.49	
1:45	13.92	–	–	–	17.4	1765	7.62	107.5	2.56	11.45	
1:50	13.92	–	–	–	17.4	1765	7.62	107.3	2.54	10.77	
1:55	13.93	–	–	–	17.4	1779	7.62	106.9	2.67	11.76	
2:00	13.93	–	–	2.5 gals	17.4	1772	7.62	106.7	2.70	12.09	

SAMPLED @ 2:05

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? NTU, Apex stay on well for 2 hours, NTU's won't go below 10.00.

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

Page 1 of 1

Location (Site/Facility Name): E.F. Wethersfield
Well Number: AP11R Date: 3/17/2021
Field Personnel: M. Lackey
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~17.5'
Purging Device; (pump type): Geopump

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	15.35	–	–	–	–	–	–	–	–	–	
2:20	15.53	–	–	–	17.5	1021	7.31	101.9	3.85	32.52	DTB = 18.79
2:25	15.67	–	–	–	17.9	936	7.29	106.2	4.69	8.61	
2:30	15.77	–	–	–	18.1	921	7.28	108.3	4.87	6.12	
2:35	15.88	–	–	–	18.2	912	7.27	110.5	4.94	8.44	
2:40	15.99	–	–	–	18.3	908	7.24	112.7	5.26	4.41	
2:45	16.10	–	–	–	18.3	909	7.24	114.9	5.69	2.73	
2:50	16.20	–	–	–	18.3	912	7.24	116.8	5.80	2.10	
2:55	16.31	–	–	1gal	18.2	914	7.25	118.4	5.71	2.42	
					SAMPLED @		3:00				

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): EE - Wethersfield
Well Number: AP-12R Date: 3/17/2021
Field Personnel: M. Lucky
Identify Monitoring Point: TOC

Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~14.4'
Purging Device; (pump type): Geopump

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	12.97	--	--	--	--	--	--	--	--	--	IDTB = 14.51

Sample(s) @ 9:00

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? Well has history of running dry, with slow recharge, Apex grabbed sample, Apex was able to fill all glassware

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

Location (Site/Facility Name): EE - Wethersfield — Page 1 of 2
Well Number: AP-15R-BR Date: 3/18/2021 — Depth to _____(top)/_____(bottom) of screen
Field Personnel: M. Ladny — Pump Intake at (ft. below MP): ~20'
Identify Monitoring Point: TOC — Purging Device; (pump type): Geo pump

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	7.54	–	–	–	–	–	–	–	–	–	
7:30	8.21	—	—	—	10.8	926	8.28	81.6	7.12	103.49	DTW = 25.10
7:35	8.61	—	—	—	10.5	928	8.06	86.1	6.13	88.73	
7:40	9.03	—	—	—	10.9	920	8.04	86.9	5.95	56.73	
7:45	9.57	—	—	—	11.0	919	8.03	87.4	5.95	31.74	
7:50	9.81	—	—	—	10.9	921	8.03	88.2	5.93	22.47	
7:55	10.56	—	—	—	11.1	921	8.03	88.4	5.93	27.04	
8:00	10.99	—	—	—	11.1	925	8.02	89.4	5.90	26.99	
8:05	11.35	—	—	—	11.2	929	8.02	89.9	5.85	23.91	
8:10	11.71	—	—	—	11.2	932	8.02	90.5	5.85	20.77	
8:15	12.15	—	—	—	11.3	939	8.01	91.0	5.81	19.84	
8:20	12.38	—	—	—	11.3	946	8.00	91.3	5.79	18.76	
8:25	12.73	—	—	—	11.4	950	7.99	91.7	5.76	18.69	
8:30	12.99	—	—	—	11.5	961	7.98	92.2	5.72	17.11	

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): EE - Weathersfield — Page 2 of 2
Well Number: AP-15R-BR Date: 3/18/2021 — Depth to _____(top)/_____(bottom) of screen
Field Personnel: M. Lackey
Identify Monitoring Point: TOC — Pump Intake at (ft. below MP): ~20
Purging Device; (pump type): Geo pump

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	—	–	–	–	–	–	–	–	–	–	DTB: 25.10
8:35	13.14	—	—	—	11.4	966	7.98	92.4	5.71	16.98	
8:40	13.37	—	—	—	11.5	978	7.96	92.7	5.67	15.33	
8:45	13.56	—	—	—	11.5	993	7.94	93.1	5.64	14.10	
8:50	13.75	—	—	—	11.6	1001	7.93	93.3	5.62	12.97	
8:55	13.92	—	—	—	11.7	1015	7.91	93.1	5.59	12.55	
9:00	14.21	—	—	—	11.7	1024	7.90	92.6	5.58	11.64	
9:05	14.34	—	—	—	11.7	1035	7.89	92.4	5.56	10.92	
9:10	14.43	—	—	—	11.8	1054	7.87	92.3	5.54	10.48	
9:15	14.68	—	—	—	11.8	1069	7.86	91.7	5.53	10.44	
9:20	14.82	—	—	2.5 gal	11.8	1081	7.84	91.1	5.51	10.65	
						SAMPLED @		9:25			

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? NTU's wouldn't drop below 10, well stabilized, Apex took sample

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

Page 1 of 1

Location (Site/Facility Name): EE. Wethersfield
Well Number: AP-3R Date: 6/23/2021
Field Personnel: M Ludwig
Identify Monitoring Point: TOC

Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~ 10'
Purging Device; (pump type): Geopump

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	3.54	–	–	–	–	–	–	–	–	–	
8:45	3.70	—	—	—	15.9	2205	6.53	-83.9	2.53	63.8	DTB: 11.09
8:50	3.87	—	—	—	15.0	2290	6.52	-116.0	1.16	24.1	
8:55	4.03	—	—	—	15.1	2287	6.52	-126.4	0.46	23.6	
9:00	4.18	—	—	—	15.3	2274	6.51	-133.3	0.87	22.5	
9:05	4.28	—	—	—	15.4	2256	6.51	-134.2	0.83	19.4	
9:10	4.44	—	—	—	15.4	2242	6.51	-132.5	0.80	14.1	
9:15	4.57	—	—	—	15.4	2230	6.51	-130.9	0.81	12.3	
9:20	4.69	—	—	—	15.5	2217	6.49	-130.0	0.86	11.0	
9:25	4.85	—	—	—	15.4	2214	6.48	-134.6	0.90	8.1	
9:30	4.98	—	—	—	15.5	2215	6.47	-138.6	0.88	5.6	
9:35	5.14	—	—	—	15.4	2223	6.48	-141.9	0.83	4.9	
9:40	5.32	—	—	—	15.3	2229	6.47	-142.4	0.74	4.7	
9:45	5.51	—	—	1.75 gal	15.3	2238	6.47	-141.7	0.77	3.8	

SAMPLED @ 9:50

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): EE - Wethersfield — Page 1 of 1
Well Number: AP-6R Date: 6/24/2024 — Depth to _____(top)/_____(bottom) of screen
Field Personnel: M. Ladny
Identify Monitoring Point: TOC — Pump Intake at (ft. below MP): ~16.5' — Purging Device; (pump type): Geopump

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	13.69	--	--	--	--	--	--	--	--	--	
7:45	13.82	—	—	—	17.5	1655	7.45	82.5	3.73	4.9	VTB = 19.94
7:50	13.88	—	—	—	17.4	1475	7.44	109.5	3.66	3.3	
7:55	13.94	—	—	—	17.3	1393	7.42	123.1	3.49	2.3	
8:00	14.02	—	—	—	17.3	1499	7.42	131.7	3.22	2-3	
8:05	14.05	—	—	—	17.2	1526	7.41	137.4	3.14	2.1	
8:10	14.09	—	—	—	17.2	1571	7.41	142.5	3.17	2.2	
8:15	14.13	—	—	—	17.2	1604	7.41	146.9	3.21	2-2	
8:20	14.16	—	—	—	17.2	1659	7.41	150.8	3.21	2.2	
8:25	14.18	—	—	—	17.2	1695	7.41	154.1	3.19	2-1	
8:30	14.20	—	—	—	17.2	1719	7.41	157.4	3.12	2.4	
8:35	14.23	—	—	-1.5	17.2	1734	7.41	159.4	3.11	2.2	
					SAMPLED @ 8:40						

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): EE- Wethersfield — Page 1 of 1
Well Number: AP-11R — Date: 6/23/2021
Field Personnel: M. Ludny
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 17.5
Purging Device; (pump type): Geopump

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	15.43	–	–	–	–	–	–	–	–	–	
11:55	15.72	—	—	—	18.3	1513	7.15	95.3	2.76	12.9	DTB = 18.78
12:00	15.90	—	—	—	18.2	1404	7.12	106.4	3.82	7.9	
12:05	16.08	—	—	—	18.2	1349	7.10	115.4	4.72	5.9	
12:10	16.25	—	—	—	18.2	1345	7.10	121.8	4.74	2.4	
12:15	16.45	—	—	—	18.2	1359	7.12	126.5	4.39	1.5	
12:20	16.60	—	—	—	18.2	1372	7.12	129.5	4.10	1.2	
12:25	16.76	—	—	—	18.2	1379	7.13	131.9	3.80	1.4	
12:30	16.94	—	—	—	18.1	1394	7.13	134.0	3.51	1.4	
12:35	17.05	—	—	—	18.2	1407	7.14	135.3	3.15	1.3	
12:40	17.19	—	—	1.5gal	18.1	1413	7.14	136.4	2.88	1.4	
←					SAMPLED @ 12:45					→	

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? DO + water level dropping. Apex grabbed sample.

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

Location (Site/Facility Name): EE - Wethersfield
Well Number: AP-12R Date: 6/23/2021
Field Personnel: M. Ludwig
Identify Monitoring Point: TOC

Page 1 of 1
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~ 14
Purging Device; (pump type): Geopump

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	13.17	–	–	–	–	–	–	–	–	–	DTB = 14.51

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)

SAMPLED @ 8:00

Stabilized (circle) YES NO If no, why? Well has history of running dry, with slow recharge, Apex grabbed sample. Well went dry during sampling. Apex was able to fill everything but (1) 1L HCL Amber + (1) 1L unpreserved Amber

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

Location (Site/Facility Name): EE - Westfield
Well Number: AP-15R-BR Date: 6/24/2021
Field Personnel: M. Lackey
Identify Monitoring Point: TOC

Page 1 of 1
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~20'
Purging Device; (pump type): Geopump

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	7.93	–	–	–	–	–	–	–	–	–	
9:35	8.74	—	—	—	14.8	1299	7.56	109.0	6.12	6.0	DTB = 29.97
9:40	9.75	—	—	—	14.6	1314	7.53	118.4	5.22	9.0	
9:45	10.28	—	—	—	14.5	1312	7.54	120.3	5.17	11.7	
9:50	11.15	—	—	—	14.5	1311	7.54	121.7	5.12	16.2	
9:55	11.78	—	—	—	14.9	1310	7.53	122.7	5.10	25.0	
10:00	12.43	—	—	—	14.9	1311	7.51	123.3	5.02	43.8	
10:05	13.14	—	—	—	15.1	1295	7.47	124.5	5.03	43.4	
10:10	13.94	—	—	—	14.8	1273	7.89	126.3	5.14	44.4	
10:15	14.65	—	—	~1.5 gal	15.0	1261	7.34	126.7	5.67	55.5	
					SAMPLED @ 10:20						

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? Water level was dropping rapidly, need to get mg/l and turbidity, NTU were increasing, Apex took sample

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

Location (Site/Facility Name): EE- Wethersfield — Page 1 of 1
Well Number: AP-3R — Date: 9/23/21
Field Personnel: M. Ludwig
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~ 10'
Purging Device; (pump type): Geopump

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	3.18	–	–	–	–	–	–	–	–	–	DTW = 11.11
8:35	3.40	–	–	–	18.8	2450	6.72	202.5	1.24	16.50	
8:40	3.52	–	–	–	19.3	2475	6.49	31.8	0.87	21.72	
8:45	3.95	–	–	–	19.4	2473	6.48	40.4	0.81	46.1	
8:50	3.92	–	–	–	19.5	2464	6.48	43.6	0.73	29.47	
8:55	4.06	–	–	–	19.5	2438	6.50	35.0	0.70	17.84	
9:00	4.18	–	–	–	19.5	2418	6.51	17.6	0.70	14.56	
9:05	4.36	–	–	–	19.5	2402	6.50	-6.8	0.73	1.25	
9:10	4.48	–	–	–	19.6	2387	6.49	-30.0	0.71	0.00	
9:15	4.69	–	–	–	19.5	2374	6.48	-37.3	0.69	0.00	
9:20	4.83	–	–	–	19.8	2374	6.48	-37.6	0.68	0.00	
9:25	4.97	–	–	1.5gal	19.9	2374	6.49	-35.2	0.67	0.00	
					SAMPLED @		9:30				

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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WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

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Location (Site/Facility Name): EE-Wethersfield
Well Number: AP-6R Date: 9/24/21
Field Personnel: M. Lochy
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~16.5'
Purging Device; (pump type): Geopump

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	–	–	–	–	–	–	–	–	–	DTW: 19.94
12:05	12.96	—	—	—	17.5	2289	7.45	175.2	2.56	120.13	
12:10	13.05	—	—	—	17.8	1923	7.49	177.6	2.63	115.45	
12:15	13.09	—	—	—	17.6	1760	7.50	179.0	2.60	78.13	
12:20	13.14	—	—	—	17.5	1504	7.50	181.4	2.62	31.77	
12:25	13.22	—	—	—	17.4	1392	7.49	183.9	2.62	11.15	
12:30	13.25	—	—	—	17.5	1711	7.47	187.6	2.50	0.00	
12:35	13.27	—	—	—	17.4	1671	7.50	187.8	2.52	0.00	
12:40	13.32	—	—	—	17.3	1591	7.49	189.6	2.64	0.00	
12:45	13.35	—	—	—	17.4	1681	7.50	191.1	2.66	0.00	
12:50	13.38	—	—	—	17.4	1719	7.49	192.7	2.71	0.00	
12:55	13.41	—	—	—	17.4	1772	7.49	194.0	2.65	0.00	
1:00	13.44	—	—	—	17.3	1784	7.49	194.8	2.69	0.00	
1:05	13.47	—	—	~1.5gal	17.3	1802	7.49	195.7	2.67	0.00	

SAMPLED @ 1:10

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): EE- Wethersfield
Well Number: AP-11R Date: 9/23/2021
Field Personnel: M. Lachy
Identify Monitoring Point: TOC

Page 1 of 1
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~ 17.5'
Purging Device; (pump type): Geopump

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	14.67	–	–	–	–	–	–	–	–	–	
11:55	14.85	–	–	–	19.1	1442	7.49	94.4	4.11	38.10	DTB: 18.80
12:00	15.06	–	–	–	18.5	1087	7.26	117.4	3.81	0.00	
12:05	15.21	–	–	–	18.4	1008	7.21	132.0	4.09	0.00	
12:10	15.45	–	–	–	18.4	1003	7.20	142.2	4.36	0.00	
12:15	15.63	–	–	–	18.4	1007	7.21	150.1	4.50	0.00	
12:20	15.86	–	–	–	18.4	1009	7.22	156.6	4.33	0.00	
12:25	15.98	–	–	–	18.4	1021	7.22	161.3	4.16	0.00	
12:30	16.19	–	–	–	18.4	1027	7.23	164.9	3.97	0.00	
12:35	16.40	–	–	~1 gal	18.4	1029	7.24	168.1	3.76	0.00	
					SAMPLED @ 12:40						

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

Location (Site/Facility Name): EE-Wethersfield
Well Number: AP-12R Date: 9/23/21
Field Personnel: M. Ludwig
Identify Monitoring Point: TOC

Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~14
Purging Device; (pump type): Geopump

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	13.01	–	–	–	–	–	–	–	–	–	1113: 14.53

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)

SAMPLED @ 1100

Stabilized (circle) YES NO If no, why? Well has history of running dry, with slow recharge, Apex grabbed sample

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

Page 1 of 1

Location (Site/Facility Name): EF- Wethersfield
Well Number: AP-15R-BR Date: 9/24/21
Field Personnel: M. Lackey
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): ~20'
Purging Device; (pump type): Geopump

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	7.44	–	–	–	–	–	–	–	–	–	
7:45	8.53	–	–	–	17.1	1293	7.98	93.6	5.78	0.00	DTB=29.97
7:50	9.61	–	–	–	16.8	1288	7.95	120.5	5.90	0.00	
7:55	10.18	–	–	–	16.6	1290	7.95	128.2	5.92	0.00	
8:00	10.81	–	–	–	16.5	1288	7.96	133.2	5.92	3.56	
8:05	11.44	–	–	–	16.4	1283	7.93	140.8	5.99	11.09	
8:10	12.25	–	–	–	16.3	1272	7.85	146.3	5.99	21.50	
8:15	12.63	–	–	–	16.3	1215	7.61	153.6	5.67	30.08	
8:20	13.02	–	–	–	16.2	1004	7.34	159.0	4.27	38.16	
8:25	13.57	–	–	~~1.5~~ gal	16.2	858	7.25	159.8	3.16	46.29	
					SAMPLED @ 8:30						

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? water level was dropping rapidly, NTU's was increasing, Apex took sample

PHS/MSD

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

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Location (Site/Facility Name): AES-WETHERSFIELD
Well Number: AP-3R Date: 12/29/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 8'
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	2.73	–	–	–	–	–	–	–	–	–	
0750	2.93	19			11.50	2160	6.68	119	9.02	0.0	DTB= 11.10
0755	3.03				10.25	2210	6.35	126	1.52	0.0	
0800	3.13				10.10	2200	6.28	126	1.33	0.0	
0805	3.24				9.79	2000	6.28	123	2.41	0.7	
0810	3.30				9.00	1690	6.19	129	3.46	17.1	
0815	3.36				8.80	1640	6.14	134	2.89	29.0	
0820	3.42				8.43	1560	6.13	131	2.24	40.1	
0825	3.48				8.36	1580	6.12	127	1.86	48.0	
0830	3.53				8.26	1600	6.10	121	1.65	50.4	
0835	3.58				8.28	1640	6.09	114	1.37	52.9	
0840	3.62				8.25	1700	6.09	109	1.25	52.3	
0845	3.68				8.33	1720	6.08	104	1.16	55.8	
0850	3.73	↓	↓	↓	8.38	1790	6.09	97	1.06	51.1	

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): ES - WETHERSFIELD
Well Number: AP-3R Date: 12/29/21
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		–	–	–	–	–	–	–	–	–	
0855	3.78	1/4			8.32	1880	6.09	89	0.98	36.6	
0900	3.83				8.66	1920	6.10	87	0.96	42.3	
0905	3.88				8.70	1940	6.14	83	0.89	43.6	
0910	3.93				8.66	1910	6.14	81	0.86	41.6	
0915	3.98				8.75	1950	6.15	80	0.83	36.8	
0920	4.03				8.76	1940	6.15	79	0.85	31.6	
0925	4.08				8.82	1950	6.15	79	0.91	27.1	
0930	4.11				8.84	1970	6.16	77	0.87	16.4	
0935	4.15				8.90	1970	6.16	77	0.85	11.0	
0940	4.18				8.66	1950	6.17	76	0.81	5.1	
0945	4.22				8.74	1950	6.17	76	0.80	1.9	
0950	4.27		↓	↓	8.77	1950	6.17	77	0.77	0.2	
0955	4.30	↓	0.023	3.0	8.73	1940	6.18	77	0.74	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

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Location (Site/Facility Name): ES- WETHERSFIELD
Well Number: AP-6R Date: 12/28/21
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	11.90	–	–	–	–	–	–	–	–	–	DTB = 19.96
1090	12.08	1/4			15.85	1170	5.52	154	3.66	29.6	
1095	12.11				16.07	1160	5.67	158	3.99	0.0	
1050	12.13				16.28	1170	5.75	157	3.76	0.0	
1055	12.15				16.38	1250	5.81	158	2.25	0.0	
1100	12.17				16.96	1450	5.80	161	2.00	0.0	
1105	12.20				16.52	1490	5.85	159	1.95	0.0	
1110	12.22				16.69	1590	5.96	155	1.98	0.0	
1115	12.24				16.74	1620	5.99	154	2.01	0.0	
1120	12.26				16.80	1650	6.03	152	1.98	0.0	
1125	12.28				16.87	1700	6.07	151	1.83	0.0	
1130	12.30		↓	↓	16.91	1730	6.09	150	1.72	0.0	
1135	12.31	↓	0.025	1.50	16.94	1790	6.12	149	1.74	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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WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

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Location (Site/Facility Name): ES- WETHERSFIELD
Well Number: AP-11R Date: 12/28/21
Field Personnel: J. STANLEWICZ
Identify Monitoring Point: TOC
Depth to _____(top)/_____(bottom) of screen
Pump Intake at (ft. below MP): 17'
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	14.88	–	–	–	–	–	–	–	–	–	DTB - 18.52
1300	15.13	1/4			18.11	1920	6.32	172	2.10	0.0	
1305	15.27				18.10	1940	6.13	181	1.15	0.0	
1310	15.37				18.05	1950	6.05	183	1.02	0.0	
1315	15.48				18.04	1950	6.03	182	1.20	0.0	
1320	15.61				18.04	1940	6.02	181	2.01	0.0	
1325	15.73				18.05	1930	6.02	180	2.20	0.0	
1330	15.82		↓	↓	18.04	1920	6.01	180	2.16	0.0	
1335	15.92	↓	0.03	1.25	18.02	1910	6.01	180	2.01	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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WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Page 1 of 1

Location (Site/Facility Name): ES - WETHERSFIELD
Well Number: AP-12R Date: 12/28/21
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	12.52	--	--	--	--	--	--	--	--	--	DTB - 14.54

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? COLLECTED GRAB SAMPLE BECAUSE OF LOW WATER

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

Page 1 of 1

Location (Site/Facility Name): ES- WETHERSFIELD
Well Number: AP-15R-BR Date: 12/29/21
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	7.40	–	–	–	–	–	–	–	–	–	
1230	8.24	1/4			7.11	1620	6.68	136	11.21	0.0	DTB - 29.97
1235	8.70				10.41	1410	6.78	136	5.98	0.0	
1240	9.16				10.82	1270	6.81	134	6.30	0.0	
1245	9.62				11.00	1130	6.81	133	6.99	0.0	COLLECTED MS/MSD
1250	10.08				11.18	1040	6.81	133	6.81	0.0	
1255	10.54				11.32	1040	6.80	134	7.10	0.0	
1300	11.00				11.43	1040	6.79	135	6.91	0.0	
1305	11.44				11.51	1090	6.79	136	6.69	0.0	
1310	11.88				11.33	1110	6.80	135	6.51	0.0	
1315	12.32				11.39	1180	6.81	135	6.33	0.0	
1320	17.76		↓	↓	11.43	1220	6.82	135	6.19	0.0	
1325	13.20	↓	0.025	1.50	11.45	1250	6.84	134	6.84	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? COND, DO

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APPENDIX B

ALTERNATIVE SWPC CALCULATIONS WORKSHEETS

Eversource Energy
176 Cumberland Avenue
Wethersfield CT

7Q10 Calcuation for Arsenic

$$\text{Alternative SWPC} = \text{WQC} \times \frac{0.25 \times 7Q10}{Q_{Plume}}$$

Where:

WQC = Water Qualtiy Criteria (Arsenic 150 ug/l)
7Q10 = 0.003226 cfs - lowest 7 day average of 10 year flow (Calculated via 1982 Method and USGS StreamStats Program)

Q_{Plume} = KiLB

Where:

K	0.283	K =	feet/day	Hydraulic Conductivity*
i	0.022	i =	feet/foot	Horizontal hydraulic gradient
b	6	b =	feet	Aquifier thickness (half of river width (estimated brook)
L	400	L =	feet	length of release area (estimated plume width)
ft^3/day	15			

Q_{Plume} = cfs 0.0002

$$\text{Alternative SWPC} = \text{WQC}_{Zn} \frac{0.25 \quad 0.003226}{0.0002}$$

(0.25)	7Q10/	cfs	Multiplier
0.25	0.003226	0.0002	4.66

	WQC	X	Multiplier	ALTERNATIVE SWPC
=	150	*	4.66	699.502088

699.50 ug/l CALCULATED ALTERNATIVE SWPC

* Hydraulic conductivity of $1x10^{-4}$ cm/sec used (Freeze & Cherry, Groundwater 1979)
= 0.283 EPA Online Tools

Eversource Energy
176 Cumberland Avenue
Wethersfield CT

7Q10 Calcuation for Zinc

$$\text{Alternative SWPC} = \text{WQC} \times \frac{0.25 \times 7Q10}{Q_{Plume}}$$

Where:

WQC = Water Qualtiy Criteria (Zinc 65 ug/l)
7Q10 = 0.003226 cfs - lowest 7 day average of 10 year flow (Calculated via 1982 Method and USGS StreamStats Program)

Q_{Plume} = KiLB

Where:

K	0.283	K =	feet/day	Hydraulic Conductivity*
i	0.022	i =	feet/foot	Horizontal hydraulic gradient
b	6	b =	feet	Aquifier thickness (half of river width (estimated brook)
L	400	L =	feet	length of release area (estimated plume width)
ft^3/day	15			

Q_{Plume} = cfs 0.0002

$$\text{Alternative SWPC} = \text{WQC}_{Zn} \frac{0.25 \quad 0.003226}{0.0002}$$

(0.25)	7Q10/	cfs	Multiplier
0.25	0.003226	0.0002	4.66

	WQC	X	Multiplier	ALTERNATIVE SWPC
=	65	*	4.66	303.1175715

303.12 ug/l CALCULATED ALTERNATIVE SWPC

* Hydraulic conductivity of $1x10^{-4}$ cm/sec used (Freeze & Cherry, Groundwater 1979)
= 0.283 EPA Online Tools

APPENDIX C

LABORATORY ANALYTICAL REPORTS – GROUNDWATER

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A Pace Analytical® Laboratory

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

March 26, 2021

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

Project Location: Wethersfield, CT
Client Job Number:
Project Number: 6089-015
Laboratory Work Order Number: 21C0983

Enclosed are results of analyses for samples received by the laboratory on March 18, 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: 3/26/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0983

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

PROJECT LOCATION: Wethersfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB20210317	21C0983-01	Trip Blank Water		SW-846 8260C-D	
AP-12R	21C0983-02	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
AP-3R	21C0983-03	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
AP-11R	21C0983-04	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
DUP20210317	21C0983-05	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
TB20210318	21C0983-06	Trip Blank Water		SW-846 8260C-D	
AP-15R-BR (MS/MSD)	21C0983-07	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
AP-6R	21C0983-08	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.

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MADEP EPH rev 2.1

Qualifications:

L-04

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

Analyte & Samples(s) Qualified:

Naphthalene
21C0983-02[AP-12R], 21C0983-03[AP-3R], 21C0983-04[AP-11R], 21C0983-05[DUP20210317], 21C0983-07[AP-15R-BR (MS/MSD)], B278629-BLK1, B278629-BS1, B278629-BSD1, B278629-MS1, B278629-MSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Naphthalene
21C0983-07[AP-15R-BR (MS/MSD)], B278629-MS1, B278629-MSD1

SW-846 6020B

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Silver
21C0983-07[AP-15R-BR (MS/MSD)], B278435-MS1, B278435-MSD1

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:

Chloromethane
B278331-BS1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Chloromethane
B278331-MS1, B278331-MSD1

Dichlorodifluoromethane (Freon 12
B278331-MS1, B278331-MSD1

Trichlorofluoromethane (Freon 11)
B278331-MS1, B278331-MSD1

Vinyl Chloride
B278331-MS1, B278331-MSD1

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:

1,2-Dichloroethane
B278331-BS1, B278331-MS1, B278331-MSD1, S057969-CCV1

Chloromethane
B278331-BS1, B278331-MS1, B278331-MSD1, S057969-CCV1

Dichlorodifluoromethane (Freon 12
B278331-BS1, B278331-MS1, B278331-MSD1, S057969-CCV1

Trichlorofluoromethane (Freon 11)
B278331-BS1, B278331-MS1, B278331-MSD1, S057969-CCV1

SW-846 8270D-E

Qualifications:

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
21C0983-07[AP-15R-BR (MS/MSD)], B278352-MS1, B278352-MSD1

Pyridine
21C0983-07[AP-15R-BR (MS/MSD)], B278352-MS1, B278352-MSD1

R-05

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

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
21C0983-02[AP-12R], 21C0983-03[AP-3R], 21C0983-04[AP-11R], 21C0983-05[DUP20210317], 21C0983-07[AP-15R-BR (MS/MSD)], 21C0983-08[AP-6R], B278352-BLK1, B278352-BS1, B278352-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

4-Chloroaniline
21C0983-07[AP-15R-BR (MS/MSD)], B278352-MS1, B278352-MSD1

Aniline
21C0983-07[AP-15R-BR (MS/MSD)], B278352-MS1, B278352-MSD1

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
21C0983-02[AP-12R], 21C0983-03[AP-3R], 21C0983-04[AP-11R], 21C0983-05[DUP20210317], 21C0983-07[AP-15R-BR (MS/MSD)], 21C0983-08[AP-6R]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol (SIM)
B278445-BLK1

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:

Hexachlorocyclopentadiene
21C0983-03[AP-3R], 21C0983-04[AP-11R], 21C0983-05[DUP20210317], 21C0983-07[AP-15R-BR (MS/MSD)], 21C0983-08[AP-6R], B278352-MS1, B278352-MSD1, S058031-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:

3,3-Dichlorobenzidine
21C0983-03[AP-3R], 21C0983-04[AP-11R], 21C0983-05[DUP20210317], 21C0983-07[AP-15R-BR (MS/MSD)], 21C0983-08[AP-6R], B278352-MS1, B278352-MSD1, S058031-CCV1

4-Chloroaniline
21C0983-02[AP-12R], 21C0983-03[AP-3R], 21C0983-04[AP-11R], 21C0983-05[DUP20210317], 21C0983-07[AP-15R-BR (MS/MSD)], 21C0983-08[AP-6R], B278352-BLK1, B278352-BS1, B278352-BSD1, B278352-MS1, B278352-MSD1, S057938-CCV1, S058031-CCV1

Aniline
21C0983-02[AP-12R], 21C0983-03[AP-3R], 21C0983-04[AP-11R], 21C0983-05[DUP20210317], 21C0983-07[AP-15R-BR (MS/MSD)], 21C0983-08[AP-6R], B278352-BLK1, B278352-BS1, B278352-BSD1, B278352-MS1, B278352-MSD1, S057938-CCV1, S058031-CCV1

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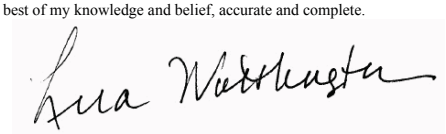
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in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

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

Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983
Date Received: 3/18/2021
Field Sample #: TB20210317 | Sampled: 3/17/2021 08:00
Sample ID: 21C0983-01
Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: TB20210317 | Sampled: 3/17/2021 08:00

Sample ID: 21C0983-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	114	70-130		3/19/21 21:20
Toluene-d8	102	70-130		3/19/21 21:20
4-Bromofluorobenzene	101	70-130		3/19/21 21:20

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-12R | Sampled: 3/17/2021 09:00

Sample ID: 21C0983-02

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	3/19/21	3/19/21 22:08	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-12R | Sampled: 3/17/2021 09:00

Sample ID: 21C0983-02

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	3/19/21	3/19/21 22:08	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	119	70-130		3/19/21 22:08
Toluene-d8	103	70-130		3/19/21 22:08
4-Bromofluorobenzene	105	70-130		3/19/21 22:08

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-12R | Sampled: 3/17/2021 09:00

Sample ID: 21C0983-02

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	3/19/21	3/22/21 13:18	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-12R | Sampled: 3/17/2021 09:00

Sample ID: 21C0983-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Phenanthrene (SIM)	0.15	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:18	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/19/21 16:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.0	15-110		3/19/21 16:02
2-Fluorophenol (SIM)	35.4	15-110		3/22/21 13:18
Phenol-d6	29.0	15-110		3/19/21 16:02
Phenol-d6 (SIM)	26.4	15-110		3/22/21 13:18
Nitrobenzene-d5	58.2	30-130		3/19/21 16:02
Nitrobenzene-d5	59.2	30-130		3/22/21 13:18
2-Fluorobiphenyl	65.3	30-130		3/22/21 13:18
2-Fluorobiphenyl	66.8	30-130		3/19/21 16:02
2,4,6-Tribromophenol	78.6	15-110		3/19/21 16:02
2,4,6-Tribromophenol (SIM)	97.0	15-110		3/22/21 13:18
p-Terphenyl-d14	81.3	30-130		3/19/21 16:02
p-Terphenyl-d14	68.2	30-130		3/22/21 13:18

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-12R | Sampled: 3/17/2021 09:00

Sample ID: 21C0983-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
Naphthalene	ND	2.0	µg/L	1	L-04	MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:15	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	64.5	40-140		3/24/21 19:15
o-Terphenyl (OTP)	71.2	40-140		3/24/21 19:15
2-Bromonaphthalene	95.2	40-140		3/24/21 19:15
2-Fluorobiphenyl	119	40-140		3/24/21 19:15

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21C0983
Date Received: 3/18/2021
Field Sample #: AP-12R
Sampled: 3/17/2021 09:00
Sample ID: 21C0983-02
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Arsenic	3.0	0.80		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Barium	260	10		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Cadmium	0.26	0.20	0.038	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Chromium	7.8	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Copper	20	1.0	0.87	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Lead	11	0.50		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/19/21	3/23/21 12:12	CJV
Nickel	13	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Vanadium	13	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH
Zinc	500	10	2.3	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:07	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-3R | Sampled: 3/17/2021 11:50

Sample ID: 21C0983-03

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	3/19/21	3/19/21 22:32	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-3R | Sampled: 3/17/2021 11:50

Sample ID: 21C0983-03

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	3/19/21	3/19/21 22:32	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	118	70-130		3/19/21 22:32
Toluene-d8	101	70-130		3/19/21 22:32
4-Bromofluorobenzene	103	70-130		3/19/21 22:32

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-3R | Sampled: 3/17/2021 11:50

Sample ID: 21C0983-03

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	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Aniline	ND	5.0	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-3R | Sampled: 3/17/2021 11:50

Sample ID: 21C0983-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:41	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.8	15-110		3/22/21 13:36
2-Fluorophenol (SIM)	47.5	15-110		3/22/21 13:41
Phenol-d6	36.4	15-110		3/22/21 13:36
Phenol-d6 (SIM)	33.2	15-110		3/22/21 13:41
Nitrobenzene-d5	81.2	30-130		3/22/21 13:36
Nitrobenzene-d5	83.7	30-130		3/22/21 13:41
2-Fluorobiphenyl	83.1	30-130		3/22/21 13:41
2-Fluorobiphenyl	77.0	30-130		3/22/21 13:36
2,4,6-Tribromophenol	87.2	15-110		3/22/21 13:36
2,4,6-Tribromophenol (SIM)	109	15-110		3/22/21 13:41
p-Terphenyl-d14	86.3	30-130		3/22/21 13:36
p-Terphenyl-d14	73.8	30-130		3/22/21 13:41

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-3R | Sampled: 3/17/2021 11:50

Sample ID: 21C0983-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	94	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
C19-C36 Aliphatics	ND	94	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
Unadjusted C11-C22 Aromatics	ND	94	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
C11-C22 Aromatics	ND	94	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
Naphthalene	ND	1.9	µg/L	1	L-04	MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:35	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	56.5	40-140		3/24/21 19:35
o-Terphenyl (OTP)	68.6	40-140		3/24/21 19:35
2-Bromonaphthalene	99.5	40-140		3/24/21 19:35
2-Fluorobiphenyl	126	40-140		3/24/21 19:35

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21C0983
Date Received: 3/18/2021
Field Sample #: AP-3R
Sampled: 3/17/2021 11:50
Sample ID: 21C0983-03
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Barium	110	10		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Cadmium	0.049	0.20	0.038	µg/L	1	J	SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Copper	5.0	1.0	0.87	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/19/21	3/23/21 12:13	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH
Zinc	23	10	2.3	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:10	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-11R | Sampled: 3/17/2021 15:00

Sample ID: 21C0983-04

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	3/19/21	3/19/21 22:56	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-11R | Sampled: 3/17/2021 15:00

Sample ID: 21C0983-04

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	3/19/21	3/19/21 22:56	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 22:56	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		3/19/21 22:56
Toluene-d8	103	70-130		3/19/21 22:56
4-Bromofluorobenzene	99.6	70-130		3/19/21 22:56

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-11R | Sampled: 3/17/2021 15:00

Sample ID: 21C0983-04

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	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Aniline	ND	5.0	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-11R | Sampled: 3/17/2021 15:00

Sample ID: 21C0983-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:03	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	44.6	15-110		3/22/21 13:58
2-Fluorophenol (SIM)	45.3	15-110		3/22/21 14:03
Phenol-d6	34.2	15-110		3/22/21 13:58
Phenol-d6 (SIM)	31.6	15-110		3/22/21 14:03
Nitrobenzene-d5	73.4	30-130		3/22/21 13:58
Nitrobenzene-d5	73.7	30-130		3/22/21 14:03
2-Fluorobiphenyl	73.0	30-130		3/22/21 14:03
2-Fluorobiphenyl	72.4	30-130		3/22/21 13:58
2,4,6-Tribromophenol	76.8	15-110		3/22/21 13:58
2,4,6-Tribromophenol (SIM)	96.7	15-110		3/22/21 14:03
p-Terphenyl-d14	82.2	30-130		3/22/21 13:58
p-Terphenyl-d14	64.2	30-130		3/22/21 14:03

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-11R | Sampled: 3/17/2021 15:00

Sample ID: 21C0983-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
Naphthalene	ND	2.0	µg/L	1	L-04	MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 19:56	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	51.3	40-140		3/24/21 19:56
o-Terphenyl (OTP)	56.2	40-140		3/24/21 19:56
2-Bromonaphthalene	105	40-140		3/24/21 19:56
2-Fluorobiphenyl	131	40-140		3/24/21 19:56

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21C0983
Date Received: 3/18/2021
Field Sample #: AP-11R
Sampled: 3/17/2021 15:00
Sample ID: 21C0983-04
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Arsenic	1.0	0.80		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Barium	71	10		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Cadmium	ND	0.20	0.038	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Chromium	1.6	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Copper	2.0	1.0	0.87	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/19/21	3/23/21 12:15	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH
Zinc	ND	10	2.3	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:13	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: DUP20210317 | Sampled: 3/17/2021 00:00

Sample ID: 21C0983-05

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	3/19/21	3/19/21 23:20	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: DUP20210317 | Sampled: 3/17/2021 00:00

Sample ID: 21C0983-05

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	3/19/21	3/19/21 23:20	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	118	70-130		3/19/21 23:20
Toluene-d8	102	70-130		3/19/21 23:20
4-Bromofluorobenzene	101	70-130		3/19/21 23:20

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: DUP20210317 | Sampled: 3/17/2021 00:00

Sample ID: 21C0983-05

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	3/19/21	3/22/21 14:26	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: DUP20210317 | Sampled: 3/17/2021 00:00

Sample ID: 21C0983-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:26	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:21	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.0	15-110		3/22/21 14:21
2-Fluorophenol (SIM)	43.2	15-110		3/22/21 14:26
Phenol-d6	37.0	15-110		3/22/21 14:21
Phenol-d6 (SIM)	30.6	15-110		3/22/21 14:26
Nitrobenzene-d5	70.4	30-130		3/22/21 14:26
Nitrobenzene-d5	78.2	30-130		3/22/21 14:21
2-Fluorobiphenyl	75.6	30-130		3/22/21 14:21
2-Fluorobiphenyl	72.3	30-130		3/22/21 14:26
2,4,6-Tribromophenol	82.4	15-110		3/22/21 14:21
2,4,6-Tribromophenol (SIM)	92.9	15-110		3/22/21 14:26
p-Terphenyl-d14	61.3	30-130		3/22/21 14:26
p-Terphenyl-d14	81.6	30-130		3/22/21 14:21

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21C0983
Date Received: 3/18/2021
Field Sample #: DUP20210317
Sampled: 3/17/2021 00:00
Sample ID: 21C0983-05
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
C19-C36 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
Unadjusted C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
Naphthalene	ND	2.0	µg/L	1	L-04	MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:16	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	54.3	40-140		3/24/21 20:16
o-Terphenyl (OTP)	65.0	40-140		3/24/21 20:16
2-Bromonaphthalene	99.1	40-140		3/24/21 20:16
2-Fluorobiphenyl	124	40-140		3/24/21 20:16

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: DUP20210317 | Sampled: 3/17/2021 00:00

Sample ID: 21C0983-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Barium	110	10		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Cadmium	0.049	0.20	0.038	µg/L	1	J	SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Copper	4.3	1.0	0.87	µg/L	1		SW-846 6020B	3/21/21	3/23/21 12:32	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/19/21	3/23/21 12:17	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH
Zinc	19	10	2.3	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:23	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983
Date Received: 3/18/2021
Field Sample #: TB20210318 | Sampled: 3/18/2021 07:00
Sample ID: 21C0983-06
Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: TB20210318 | Sampled: 3/18/2021 07:00

Sample ID: 21C0983-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 21:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	116	70-130		3/19/21 21:44
Toluene-d8	103	70-130		3/19/21 21:44
4-Bromofluorobenzene	101	70-130		3/19/21 21:44

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-15R-BR (MS/MSD) | Sampled: 3/18/2021 09:25

Sample ID: 21C0983-07

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	3/19/21	3/19/21 23:45	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-15R-BR (MS/MSD) | Sampled: 3/18/2021 09:25

Sample ID: 21C0983-07

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	3/19/21	3/19/21 23:45	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/19/21 23:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		3/19/21 23:45
Toluene-d8	103	70-130		3/19/21 23:45
4-Bromofluorobenzene	101	70-130		3/19/21 23:45

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-15R-BR (MS/MSD) | Sampled: 3/18/2021 09:25

Sample ID: 21C0983-07

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 (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Aniline	ND	5.0	µg/L	1	R-06, V-34	SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
4-Chloroaniline	ND	10	µg/L	1	R-06, V-34	SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	MS-09, V-05	SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-15R-BR (MS/MSD) | Sampled: 3/18/2021 09:25

Sample ID: 21C0983-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:49	IMR
Pyridine	ND	5.0	µg/L	1	MS-09	SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 14:43	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	53.4	15-110		3/22/21 14:43
2-Fluorophenol (SIM)	48.5	15-110		3/22/21 14:49
Phenol-d6	41.0	15-110		3/22/21 14:43
Phenol-d6 (SIM)	33.8	15-110		3/22/21 14:49
Nitrobenzene-d5	93.0	30-130		3/22/21 14:43
Nitrobenzene-d5	84.7	30-130		3/22/21 14:49
2-Fluorobiphenyl	90.5	30-130		3/22/21 14:49
2-Fluorobiphenyl	88.4	30-130		3/22/21 14:43
2,4,6-Tribromophenol	97.1	15-110		3/22/21 14:43
2,4,6-Tribromophenol (SIM)	109	15-110		3/22/21 14:49
p-Terphenyl-d14	102	30-130		3/22/21 14:43
p-Terphenyl-d14	79.3	30-130		3/22/21 14:49

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983
Date Received: 3/18/2021
Field Sample #: AP-15R-BR (MS/MSD) | Sampled: 3/18/2021 09:25
Sample ID: 21C0983-07
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
Naphthalene	ND	2.0	µg/L	1	L-04, MS-09	MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	3/23/21	3/24/21 20:37	RDD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	62.2	40-140		3/24/21 20:37
o-Terphenyl (OTP)	73.9	40-140		3/24/21 20:37
2-Bromonaphthalene	103	40-140		3/24/21 20:37
2-Fluorobiphenyl	129	40-140		3/24/21 20:37

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-15R-BR (MS/MSD) | Sampled: 3/18/2021 09:25

Sample ID: 21C0983-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Arsenic	3.5	0.80		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Barium	340	10		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Cadmium	ND	0.20	0.038	µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Copper	3.1	1.0	0.87	µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/24/21	3/24/21 12:28	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Silver	ND	0.20		µg/L	1	MS-07A	SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH
Zinc	60	10	2.3	µg/L	1		SW-846 6020B	3/21/21	3/22/21 15:44	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-6R | Sampled: 3/18/2021 14:05

Sample ID: 21C0983-08

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	3/19/21	3/20/21 0:09	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Chloromethane	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-6R | Sampled: 3/18/2021 14:05

Sample ID: 21C0983-08

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	3/19/21	3/20/21 0:09	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	3/19/21	3/20/21 0:09	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		3/20/21 0:09
Toluene-d8	102	70-130		3/20/21 0:09
4-Bromofluorobenzene	102	70-130		3/20/21 0:09

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-6R | Sampled: 3/18/2021 14:05

Sample ID: 21C0983-08

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	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Aniline	ND	5.1	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-6R | Sampled: 3/18/2021 14:05

Sample ID: 21C0983-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:12	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 15:06	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.1	15-110		3/22/21 15:06
2-Fluorophenol (SIM)	40.7	15-110		3/22/21 15:12
Phenol-d6	30.8	15-110		3/22/21 15:06
Phenol-d6 (SIM)	29.1	15-110		3/22/21 15:12
Nitrobenzene-d5	67.6	30-130		3/22/21 15:06
Nitrobenzene-d5	66.7	30-130		3/22/21 15:12
2-Fluorobiphenyl	68.0	30-130		3/22/21 15:12
2-Fluorobiphenyl	69.9	30-130		3/22/21 15:06
2,4,6-Tribromophenol	73.2	15-110		3/22/21 15:06
2,4,6-Tribromophenol (SIM)	91.4	15-110		3/22/21 15:12
p-Terphenyl-d14	84.7	30-130		3/22/21 15:06
p-Terphenyl-d14	64.5	30-130		3/22/21 15:12

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0983

Date Received: 3/18/2021

Field Sample #: AP-6R | Sampled: 3/18/2021 14:05

Sample ID: 21C0983-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Arsenic	1.5	0.80		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Barium	160	10		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Cadmium	ND	0.20	0.038	µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Chromium	1.1	1.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Copper	4.4	1.0	0.87	µg/L	1		SW-846 6020B	3/21/21	3/23/21 12:35	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/19/21	3/23/21 12:19	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	3/21/21	3/22/21 16:26	MJH
Zinc	4.3	10	2.3	µg/L	1	J	SW-846 6020B	3/21/21	3/22/21 16:26	MJH

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0983-02 [AP-12R]	B278629	1000	2.00	03/23/21
21C0983-03 [AP-3R]	B278629	1060	2.00	03/23/21
21C0983-04 [AP-11R]	B278629	1000	2.00	03/23/21
21C0983-05 [DUP20210317]	B278629	1020	2.00	03/23/21
21C0983-07 [AP-15R-BR (MS/MSD)]	B278629	1000	2.00	03/23/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0983-02 [AP-12R]	B278435	50.0	50.0	03/21/21
21C0983-03 [AP-3R]	B278435	50.0	50.0	03/21/21
21C0983-04 [AP-11R]	B278435	50.0	50.0	03/21/21
21C0983-05 [DUP20210317]	B278435	50.0	50.0	03/21/21
21C0983-07 [AP-15R-BR (MS/MSD)]	B278435	50.0	50.0	03/21/21
21C0983-08 [AP-6R]	B278435	50.0	50.0	03/21/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0983-02 [AP-12R]	B278363	6.00	6.00	03/19/21
21C0983-03 [AP-3R]	B278363	6.00	6.00	03/19/21
21C0983-04 [AP-11R]	B278363	6.00	6.00	03/19/21
21C0983-05 [DUP20210317]	B278363	6.00	6.00	03/19/21
21C0983-08 [AP-6R]	B278363	6.00	6.00	03/19/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0983-07RE1 [AP-15R-BR (MS/MSD)]	B278677	6.00	6.00	03/24/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0983-01 [TB20210317]	B278331	5	5.00	03/19/21
21C0983-02 [AP-12R]	B278331	5	5.00	03/19/21
21C0983-03 [AP-3R]	B278331	5	5.00	03/19/21
21C0983-04 [AP-11R]	B278331	5	5.00	03/19/21
21C0983-05 [DUP20210317]	B278331	5	5.00	03/19/21
21C0983-06 [TB20210318]	B278331	5	5.00	03/19/21
21C0983-07 [AP-15R-BR (MS/MSD)]	B278331	5	5.00	03/19/21
21C0983-08 [AP-6R]	B278331	5	5.00	03/19/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0983-02 [AP-12R]	B278352	980	1.00	03/19/21
21C0983-03 [AP-3R]	B278352	1000	1.00	03/19/21
21C0983-04 [AP-11R]	B278352	995	1.00	03/19/21
21C0983-05 [DUP20210317]	B278352	985	1.00	03/19/21

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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
21C0983-07 [AP-15R-BR (MS/MSD)]	B278352	1000	1.00	03/19/21
21C0983-08 [AP-6R]	B278352	990	1.00	03/19/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0983-02 [AP-12R]	B278445	1000	1.00	03/19/21
21C0983-03 [AP-3R]	B278445	1000	1.00	03/19/21
21C0983-04 [AP-11R]	B278445	995	1.00	03/19/21
21C0983-05 [DUP20210317]	B278445	985	1.00	03/19/21
21C0983-07 [AP-15R-BR (MS/MSD)]	B278445	1000	1.00	03/19/21
21C0983-08 [AP-6R]	B278445	990	1.00	03/19/21

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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 B278331 - SW-846 5030B										
Blank (B278331-BLK1)				Prepared & Analyzed: 03/19/21						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
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 B278331 - SW-846 5030B										
Blank (B278331-BLK1)				Prepared & Analyzed: 03/19/21						
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	*28.6*		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130			
LCS (B278331-BS1)				Prepared & Analyzed: 03/19/21						
Acetone	94.0	10	µg/L	100		94.0	40-160			
Acrylonitrile	8.61	2.0	µg/L	10.0		86.1	70-130			
Benzene	9.84	0.50	µg/L	10.0		98.4	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130			
Bromoform	10.3	0.50	µg/L	10.0		103	70-130			
Bromomethane	10.8	2.0	µg/L	10.0		108	40-160			
2-Butanone (MEK)	89.2	5.0	µg/L	100		89.2	40-160			
n-Butylbenzene	9.30	1.0	µg/L	10.0		93.0	70-130			
sec-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
tert-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Carbon Disulfide	98.6	5.0	µg/L	100		98.6	70-130			
Carbon Tetrachloride	10.6	0.50	µg/L	10.0		106	70-130			
Chlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	40-160			
Chloroethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroform	10.9	0.50	µg/L	10.0		109	70-130			
Chloromethane	15.8	0.60	µg/L	10.0		158	40-160			L-17, V-20
2-Chlorotoluene	10.6	0.50	µg/L	10.0		106	70-130			
4-Chlorotoluene	10.5	0.50	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.99	1.0	µg/L	10.0		99.9	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.2	0.50	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	10.8	0.50	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.7	0.50	µg/L	10.0		107	70-130			
1,4-Dichlorobenzene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,4-Dichloro-2-butene	9.16	2.0	µg/L	10.0		91.6	70-130			
Dichlorodifluoromethane (Freon 12)	12.1	0.50	µg/L	10.0		121	40-160			V-20
1,1-Dichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,2-Dichloroethane	12.4	0.50	µg/L	10.0		124	70-130			V-20
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110	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 B278331 - SW-846 5030B										
LCS (B278331-BS1)				Prepared & Analyzed: 03/19/21						
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloropropane	10.0	0.50	µg/L	10.0		100	70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
2,2-Dichloropropane	9.76	0.50	µg/L	10.0		97.6	70-130			
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106	70-130			
Hexachlorobutadiene	11.2	0.60	µg/L	10.0		112	40-160			
2-Hexanone (MBK)	95.6	5.0	µg/L	100		95.6	70-130			
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107	70-130			
p-Isopropyltoluene (p-Cymene)	9.88	0.50	µg/L	10.0		98.8	70-130			
Methyl tert-Butyl Ether (MTBE)	9.83	0.50	µg/L	10.0		98.3	70-130			
Methylene Chloride	10.0	5.0	µg/L	10.0		100	70-130			
4-Methyl-2-pentanone (MIBK)	97.5	5.0	µg/L	100		97.5	40-160			
Naphthalene	8.90	2.0	µg/L	10.0		89.0	70-130			
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112	70-130			
1,1,2,2-Tetrachloroethane	9.93	0.50	µg/L	10.0		99.3	70-130			
Tetrachloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Tetrahydrofuran	8.89	10	µg/L	10.0		88.9	70-130			
Toluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2,3-Trichlorobenzene	9.35	1.0	µg/L	10.0		93.5	70-130			
1,2,4-Trichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
1,1,1-Trichloroethane	11.5	0.50	µg/L	10.0		115	70-130			
1,1,2-Trichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Trichloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.0		118	40-160			V-20
1,2,3-Trichloropropane	9.89	0.50	µg/L	10.0		98.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.11	0.50	µg/L	10.0		91.1	70-130			
1,2,4-Trimethylbenzene	9.93	0.50	µg/L	10.0		99.3	70-130			
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108	70-130			
Vinyl Chloride	11.8	1.0	µg/L	10.0		118	70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	11.1	1.0	µg/L	10.0		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	*28.7*		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	*26.2*		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	*26.2*		µg/L	25.0		105	70-130			
Matrix Spike (B278331-MS1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/20/21						
Acetone	93.2	10	µg/L	100	ND	93.2	70-130			
Acrylonitrile	9.13	2.0	µg/L	10.0	ND	91.3	70-130			
Benzene	10.9	0.50	µg/L	10.0	ND	109	70-130			
Bromobenzene	10.7	0.50	µg/L	10.0	ND	107	70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.0	ND	116	70-130			
Bromoform	10.3	0.50	µg/L	10.0	ND	103	70-130			
Bromomethane	9.99	2.0	µg/L	10.0	ND	99.9	70-130			
2-Butanone (MEK)	91.3	5.0	µg/L	100	ND	91.3	70-130			
n-Butylbenzene	9.85	1.0	µg/L	10.0	ND	98.5	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.0	ND	107	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B278331 - SW-846 5030B											
Matrix Spike (B278331-MS1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/20/21							
tert-Butylbenzene	11.3	1.0	µg/L	10.0	ND	113		70-130			
Carbon Disulfide	111	5.0	µg/L	100	ND	111		70-130			
Carbon Tetrachloride	12.4	0.50	µg/L	10.0	ND	124		70-130			
Chlorobenzene	11.5	0.50	µg/L	10.0	ND	115		70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0	ND	108		70-130			
Chloroethane	12.1	0.50	µg/L	10.0	ND	121		70-130			
Chloroform	11.9	0.50	µg/L	10.0	ND	119		70-130			
Chloromethane	18.2	0.60	µg/L	10.0	ND	**182**	*	70-130			MS-15, V-20
2-Chlorotoluene	11.6	0.50	µg/L	10.0	ND	116		70-130			
4-Chlorotoluene	11.2	0.50	µg/L	10.0	ND	112		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0	ND	105		70-130			
Dibromomethane	10.8	0.50	µg/L	10.0	ND	108		70-130			
1,2-Dichlorobenzene	11.1	0.50	µg/L	10.0	ND	111		70-130			
1,3-Dichlorobenzene	10.9	0.50	µg/L	10.0	ND	109		70-130			
1,4-Dichlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130			
trans-1,4-Dichloro-2-butene	7.47	2.0	µg/L	10.0	ND	74.7		70-130			
Dichlorodifluoromethane (Freon 12)	13.8	0.50	µg/L	10.0	ND	**138**	*	70-130			MS-15, V-20
1,1-Dichloroethane	11.7	0.50	µg/L	10.0	ND	117		70-130			
1,2-Dichloroethane	12.9	0.50	µg/L	10.0	ND	129		70-130			V-20
1,1-Dichloroethylene	12.6	0.50	µg/L	10.0	ND	126		70-130			
cis-1,2-Dichloroethylene	11.2	0.50	µg/L	10.0	ND	112		70-130			
trans-1,2-Dichloroethylene	11.3	1.0	µg/L	10.0	ND	113		70-130			
1,2-Dichloropropane	10.7	0.50	µg/L	10.0	ND	107		70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0	ND	105		70-130			
2,2-Dichloropropane	8.41	0.50	µg/L	10.0	ND	84.1		70-130			
1,1-Dichloropropene	12.5	0.50	µg/L	10.0	ND	125		70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0	ND	104		70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0	ND	107		70-130			
Ethylbenzene	11.7	0.50	µg/L	10.0	ND	117		70-130			
Hexachlorobutadiene	11.4	0.60	µg/L	10.0	ND	114		70-130			
2-Hexanone (MBK)	94.5	5.0	µg/L	100	ND	94.5		70-130			
Isopropylbenzene (Cumene)	11.8	0.50	µg/L	10.0	ND	118		70-130			
p-Isopropyltoluene (p-Cymene)	10.6	0.50	µg/L	10.0	ND	106		70-130			
Methyl tert-Butyl Ether (MTBE)	10.6	0.50	µg/L	10.0	ND	106		70-130			
Methylene Chloride	10.8	5.0	µg/L	10.0	ND	108		70-130			
4-Methyl-2-pentanone (MIBK)	97.2	5.0	µg/L	100	ND	97.2		70-130			
Naphthalene	8.69	2.0	µg/L	10.0	ND	86.9		70-130			
n-Propylbenzene	11.4	1.0	µg/L	10.0	ND	114		70-130			
Styrene	11.5	1.0	µg/L	10.0	ND	115		70-130			
1,1,1,2-Tetrachloroethane	12.3	0.50	µg/L	10.0	ND	123		70-130			
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0	ND	104		70-130			
Tetrachloroethylene	12.6	1.0	µg/L	10.0	ND	126		70-130			
Tetrahydrofuran	9.14	10	µg/L	10.0	ND	91.4		70-130			
Toluene	11.6	1.0	µg/L	10.0	ND	116		70-130			
1,2,3-Trichlorobenzene	8.82	1.0	µg/L	10.0	ND	88.2		70-130			
1,2,4-Trichlorobenzene	9.42	0.50	µg/L	10.0	ND	94.2		70-130			
1,1,1-Trichloroethane	12.7	0.50	µg/L	10.0	ND	127		70-130			
1,1,2-Trichloroethane	11.0	0.50	µg/L	10.0	ND	110		70-130			
Trichloroethylene	12.2	1.0	µg/L	10.0	ND	122		70-130			
Trichlorofluoromethane (Freon 11)	13.3	2.0	µg/L	10.0	ND	**133**	*	70-130			MS-15, V-20
1,2,3-Trichloropropane	9.95	0.50	µg/L	10.0	ND	99.5		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 B278331 - SW-846 5030B											
Matrix Spike (B278331-MS1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/20/21							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	0.50	µg/L	10.0	ND	104		70-130			
1,2,4-Trimethylbenzene	10.8	0.50	µg/L	10.0	ND	108		70-130			
1,3,5-Trimethylbenzene	11.7	0.50	µg/L	10.0	ND	117		70-130			
Vinyl Chloride	13.5	1.0	µg/L	10.0	ND	**135**	*	70-130			MS-15
m+p Xylene	24.9	2.0	µg/L	20.0	ND	125		70-130			
o-Xylene	11.9	1.0	µg/L	10.0	ND	119		70-130			
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/L	25.0		115		70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130			
Matrix Spike Dup (B278331-MSD1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/20/21							
Acetone	92.1	10	µg/L	100	ND	92.1		70-130	1.16	30	
Acrylonitrile	7.90	2.0	µg/L	10.0	ND	79.0		70-130	14.4	30	
Benzene	10.4	0.50	µg/L	10.0	ND	104		70-130	4.68	30	
Bromobenzene	10.5	0.50	µg/L	10.0	ND	105		70-130	1.79	30	
Bromodichloromethane	11.4	0.50	µg/L	10.0	ND	114		70-130	1.31	30	
Bromoform	10.2	0.50	µg/L	10.0	ND	102		70-130	1.56	30	
Bromomethane	10.2	2.0	µg/L	10.0	ND	102		70-130	1.59	30	
2-Butanone (MEK)	88.2	5.0	µg/L	100	ND	88.2		70-130	3.44	30	
n-Butylbenzene	9.87	1.0	µg/L	10.0	ND	98.7		70-130	0.203	30	
sec-Butylbenzene	10.8	1.0	µg/L	10.0	ND	108		70-130	1.02	30	
tert-Butylbenzene	11.2	1.0	µg/L	10.0	ND	112		70-130	1.60	30	
Carbon Disulfide	109	5.0	µg/L	100	ND	109		70-130	1.81	30	
Carbon Tetrachloride	11.8	0.50	µg/L	10.0	ND	118		70-130	4.97	30	
Chlorobenzene	11.3	0.50	µg/L	10.0	ND	113		70-130	2.11	30	
Chlorodibromomethane	10.7	0.50	µg/L	10.0	ND	107		70-130	0.841	30	
Chloroethane	12.1	0.50	µg/L	10.0	ND	121		70-130	0.0828	30	
Chloroform	11.8	0.50	µg/L	10.0	ND	118		70-130	1.35	30	
Chloromethane	16.9	0.60	µg/L	10.0	ND	**169**	*	70-130	7.40	30	MS-15, V-20
2-Chlorotoluene	10.8	0.50	µg/L	10.0	ND	108		70-130	7.04	30	
4-Chlorotoluene	11.2	0.50	µg/L	10.0	ND	112		70-130	0.535	30	
1,2-Dibromo-3-chloropropane (DBCP)	9.92	1.0	µg/L	10.0	ND	99.2		70-130	5.39	30	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0	ND	102		70-130	3.09	30	
Dibromomethane	10.6	0.50	µg/L	10.0	ND	106		70-130	1.97	30	
1,2-Dichlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130	3.48	30	
1,3-Dichlorobenzene	10.8	0.50	µg/L	10.0	ND	108		70-130	0.276	30	
1,4-Dichlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130	0.0936	30	
trans-1,4-Dichloro-2-butene	7.83	2.0	µg/L	10.0	ND	78.3		70-130	4.71	30	
Dichlorodifluoromethane (Freon 12)	14.5	0.50	µg/L	10.0	ND	**145**	*	70-130	5.44	30	V-20, MS-15
1,1-Dichloroethane	10.9	0.50	µg/L	10.0	ND	109		70-130	7.36	30	
1,2-Dichloroethane	12.7	0.50	µg/L	10.0	ND	127		70-130	1.64	30	V-20
1,1-Dichloroethylene	12.4	0.50	µg/L	10.0	ND	124		70-130	1.44	30	
cis-1,2-Dichloroethylene	10.7	0.50	µg/L	10.0	ND	107		70-130	4.11	30	
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0	ND	107		70-130	6.09	30	
1,2-Dichloropropane	10.6	0.50	µg/L	10.0	ND	106		70-130	0.748	30	
1,3-Dichloropropane	10.5	0.50	µg/L	10.0	ND	105		70-130	0.381	30	
2,2-Dichloropropane	7.73	0.50	µg/L	10.0	ND	77.3		70-130	8.43	30	
1,1-Dichloropropene	11.7	0.50	µg/L	10.0	ND	117		70-130	6.12	30	
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0	ND	105		70-130	0.0957	30	
trans-1,3-Dichloropropene	9.84	0.50	µg/L	10.0	ND	98.4		70-130	8.37	30	
Ethylbenzene	11.4	0.50	µg/L	10.0	ND	114		70-130	3.38	30	
Hexachlorobutadiene	11.4	0.60	µg/L	10.0	ND	114		70-130	0.0874	30	

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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 B278331 - SW-846 5030B											
Matrix Spike Dup (B278331-MSD1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/20/21							
2-Hexanone (MBK)	94.0	5.0	µg/L	100	ND	94.0		70-130	0.520	30	
Isopropylbenzene (Cumene)	11.6	0.50	µg/L	10.0	ND	116		70-130	2.22	30	
p-Isopropyltoluene (p-Cymene)	10.7	0.50	µg/L	10.0	ND	107		70-130	0.376	30	
Methyl tert-Butyl Ether (MTBE)	9.52	0.50	µg/L	10.0	ND	95.2		70-130	10.7	30	
Methylene Chloride	10.6	5.0	µg/L	10.0	ND	106		70-130	1.88	30	
4-Methyl-2-pentanone (MIBK)	95.8	5.0	µg/L	100	ND	95.8		70-130	1.41	30	
Naphthalene	8.78	2.0	µg/L	10.0	ND	87.8		70-130	1.03	30	
n-Propylbenzene	11.3	1.0	µg/L	10.0	ND	113		70-130	1.23	30	
Styrene	11.3	1.0	µg/L	10.0	ND	113		70-130	1.66	30	
1,1,1,2-Tetrachloroethane	11.8	0.50	µg/L	10.0	ND	118		70-130	4.07	30	
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0	ND	102		70-130	1.36	30	
Tetrachloroethylene	11.9	1.0	µg/L	10.0	ND	119		70-130	5.72	30	
Tetrahydrofuran	8.79	10	µg/L	10.0	ND	87.9		70-130	3.90	30	
Toluene	11.4	1.0	µg/L	10.0	ND	114		70-130	1.91	30	
1,2,3-Trichlorobenzene	9.14	1.0	µg/L	10.0	ND	91.4		70-130	3.56	30	
1,2,4-Trichlorobenzene	9.54	0.50	µg/L	10.0	ND	95.4		70-130	1.27	30	
1,1,1-Trichloroethane	12.6	0.50	µg/L	10.0	ND	126		70-130	0.395	30	
1,1,2-Trichloroethane	11.0	0.50	µg/L	10.0	ND	110		70-130	0.0908	30	
Trichloroethylene	12.2	1.0	µg/L	10.0	ND	122		70-130	0.164	30	
Trichlorofluoromethane (Freon 11)	13.5	2.0	µg/L	10.0	ND	**135**	*	70-130	1.64	30	MS-15, V-20
1,2,3-Trichloropropane	12.4	0.50	µg/L	10.0	ND	124		70-130	22.0	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	0.50	µg/L	10.0	ND	109		70-130	5.06	30	
1,2,4-Trimethylbenzene	10.4	0.50	µg/L	10.0	ND	104		70-130	3.50	30	
1,3,5-Trimethylbenzene	11.4	0.50	µg/L	10.0	ND	114		70-130	2.16	30	
Vinyl Chloride	13.4	1.0	µg/L	10.0	ND	**134**	*	70-130	0.446	30	MS-15
m+p Xylene	23.6	2.0	µg/L	20.0	ND	118		70-130	5.44	30	
o-Xylene	11.6	1.0	µg/L	10.0	ND	116		70-130	2.47	30	
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/L	25.0		113		70-130			
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104		70-130			
Surrogate: 4-Bromofluorobenzene	*25.9*		µg/L	25.0		103		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 B278352 - SW-846 3510C										
Blank (B278352-BLK1)				Prepared & Analyzed: 03/19/21						
Aniline	ND	2.5	µg/L							V-34
Bis(2-chloroethoxy)methane	ND	5.0	µg/L							
Bis(2-chloroethyl)ether	ND	5.0	µg/L							
Bis(2-chloroisopropyl)ether	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	5.0	µg/L							
Butylbenzylphthalate	ND	5.0	µg/L							
Carbazole	ND	5.0	µg/L							
4-Chloroaniline	ND	5.0	µg/L							V-34
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2-Chloronaphthalene	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
4-Chlorophenylphenylether	ND	5.0	µg/L							
Dibenzofuran	ND	2.5	µg/L							
Di-n-butylphthalate	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
Diethylphthalate	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
Dimethylphthalate	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
2,4-Dinitrotoluene	ND	5.0	µg/L							
2,6-Dinitrotoluene	ND	5.0	µg/L							
Di-n-octylphthalate	ND	5.0	µg/L							
Hexachlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	5.0	µg/L							R-05
Hexachlorocyclopentadiene	ND	5.0	µg/L							
Hexachloroethane	ND	1.0	µg/L							
Isophorone	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3/4-Methylphenol	ND	5.0	µg/L							
2-Nitroaniline	ND	5.0	µg/L							
3-Nitroaniline	ND	5.0	µg/L							
4-Nitroaniline	ND	5.0	µg/L							
Nitrobenzene	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	5.0	µg/L							
N-Nitrosodi-n-propylamine	ND	5.0	µg/L							
Pentachloronitrobenzene	ND	5.0	µg/L							
Phenol	ND	5.0	µg/L							
Pyridine	ND	2.5	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.5	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
Surrogate: 2-Fluorophenol	*92.4*		µg/L	200		46.2	15-110			
Surrogate: Phenol-d6	*68.2*		µg/L	200		34.1	15-110			
Surrogate: Nitrobenzene-d5	*70.0*		µg/L	100		70.0	30-130			
Surrogate: 2-Fluorobiphenyl	*68.0*		µg/L	100		68.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*83.9*		µg/L	100		83.9	15-110			
Surrogate: p-Terphenyl-d14	*84.2*		µg/L	100		84.2	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 B278352 - SW-846 3510C											
LCS (B278352-BS1)				Prepared & Analyzed: 03/19/21							
Aniline	42.3	5.0	µg/L	50.0		84.6	40-140			V-34	†
Bis(2-chloroethoxy)methane	44.5	10	µg/L	50.0		89.0	40-140				
Bis(2-chloroethyl)ether	43.6	10	µg/L	50.0		87.2	40-140				
Bis(2-chloroisopropyl)ether	44.9	10	µg/L	50.0		89.8	40-140				
4-Bromophenylphenylether	43.2	10	µg/L	50.0		86.5	40-140				
Butylbenzylphthalate	42.5	10	µg/L	50.0		85.0	40-140				
Carbazole	43.2	10	µg/L	50.0		86.5	40-140				
4-Chloroaniline	45.9	10	µg/L	50.0		91.8	40-140			V-34	†
4-Chloro-3-methylphenol	44.4	10	µg/L	50.0		88.8	30-130				
2-Chloronaphthalene	35.6	10	µg/L	50.0		71.3	40-140				
2-Chlorophenol	42.1	10	µg/L	50.0		84.2	30-130				
4-Chlorophenylphenylether	43.4	10	µg/L	50.0		86.7	40-140				
Dibenzofuran	44.3	5.0	µg/L	50.0		88.6	40-140				
Di-n-butylphthalate	43.3	10	µg/L	50.0		86.6	40-140				
3,3-Dichlorobenzidine	50.2	10	µg/L	50.0		100	40-140				†
2,4-Dichlorophenol	43.1	10	µg/L	50.0		86.2	30-130				
Diethylphthalate	43.9	10	µg/L	50.0		87.9	40-140				
2,4-Dimethylphenol	43.8	10	µg/L	50.0		87.6	30-130				
Dimethylphthalate	43.8	10	µg/L	50.0		87.6	40-140				
4,6-Dinitro-2-methylphenol	49.2	10	µg/L	50.0		98.3	30-130				
2,4-Dinitrophenol	48.4	10	µg/L	50.0		96.8	30-130				
2,4-Dinitrotoluene	47.0	10	µg/L	50.0		94.0	40-140				
2,6-Dinitrotoluene	48.7	10	µg/L	50.0		97.4	40-140				
Di-n-octylphthalate	40.3	10	µg/L	50.0		80.5	40-140				
Hexachlorobenzene	44.9	2.0	µg/L	50.0		89.7	40-140				
Hexachlorobutadiene	23.6	10	µg/L	50.0		47.3	40-140			R-05	
Hexachlorocyclopentadiene	31.4	10	µg/L	50.0		62.7	30-140				
Hexachloroethane	23.3	2.0	µg/L	50.0		46.6	40-140				
Isophorone	47.3	10	µg/L	50.0		94.6	40-140				
2-Methylphenol	40.5	10	µg/L	50.0		81.0	30-130				
3/4-Methylphenol	39.6	10	µg/L	50.0		79.1	30-130				
2-Nitroaniline	54.0	10	µg/L	50.0		108	40-140				
3-Nitroaniline	47.0	10	µg/L	50.0		93.9	40-140				†
4-Nitroaniline	46.5	10	µg/L	50.0		93.0	40-140				
Nitrobenzene	42.2	10	µg/L	50.0		84.3	40-140				
2-Nitrophenol	43.3	10	µg/L	50.0		86.5	30-130				
4-Nitrophenol	24.8	10	µg/L	50.0		49.6	10-130				
N-Nitrosodiphenylamine/Diphenylamine	49.2	10	µg/L	50.0		98.3	40-140				
N-Nitrosodi-n-propylamine	44.0	10	µg/L	50.0		87.9	40-140				
Pentachloronitrobenzene	48.6	10	µg/L	50.0		97.3	40-140				
Phenol	20.2	10	µg/L	50.0		40.4	20-130				
Pyridine	16.4	5.0	µg/L	50.0		32.8	10-140				†
1,2,4,5-Tetrachlorobenzene	38.3	10	µg/L	50.0		76.6	40-140				
1,2,4-Trichlorobenzene	29.1	5.0	µg/L	50.0		58.2	40-140				
2,4,5-Trichlorophenol	43.9	10	µg/L	50.0		87.7	30-130				
2,4,6-Trichlorophenol	44.2	10	µg/L	50.0		88.4	30-130				
Surrogate: 2-Fluorophenol	*124*		µg/L	200		62.2	15-110				
Surrogate: Phenol-d6	*92.7*		µg/L	200		46.4	15-110				
Surrogate: Nitrobenzene-d5	*91.0*		µg/L	100		91.0	30-130				
Surrogate: 2-Fluorobiphenyl	*89.8*		µg/L	100		89.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*105*		µg/L	100		105	15-110				
Surrogate: p-Terphenyl-d14	*98.5*		µg/L	100		98.5	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 B278352 - SW-846 3510C												
LCS Dup (B278352-BSD1)				Prepared & Analyzed: 03/19/21								
Aniline	37.1	5.0	µg/L	50.0		74.2	40-140	13.1		50	V-34	† ‡
Bis(2-chloroethoxy)methane	40.8	10	µg/L	50.0		81.6	40-140	8.67		20		
Bis(2-chloroethyl)ether	39.5	10	µg/L	50.0		79.1	40-140	9.77		20		
Bis(2-chloroisopropyl)ether	41.7	10	µg/L	50.0		83.4	40-140	7.41		20		
4-Bromophenylphenylether	40.6	10	µg/L	50.0		81.1	40-140	6.42		20		
Butylbenzylphthalate	39.3	10	µg/L	50.0		78.6	40-140	7.82		20		
Carbazole	39.1	10	µg/L	50.0		78.1	40-140	10.2		20		
4-Chloroaniline	40.4	10	µg/L	50.0		80.8	40-140	12.7		20	V-34	†
4-Chloro-3-methylphenol	40.5	10	µg/L	50.0		81.1	30-130	9.11		20		
2-Chloronaphthalene	33.4	10	µg/L	50.0		66.9	40-140	6.37		20		
2-Chlorophenol	38.1	10	µg/L	50.0		76.2	30-130	9.98		20		
4-Chlorophenylphenylether	39.2	10	µg/L	50.0		78.4	40-140	10.1		20		
Dibenzofuran	40.4	5.0	µg/L	50.0		80.8	40-140	9.30		20		
Di-n-butylphthalate	39.8	10	µg/L	50.0		79.5	40-140	8.57		20		
3,3-Dichlorobenzidine	44.5	10	µg/L	50.0		89.0	40-140	12.1		20		† ‡
2,4-Dichlorophenol	40.0	10	µg/L	50.0		80.0	30-130	7.46		20		
Diethylphthalate	39.6	10	µg/L	50.0		79.1	40-140	10.4		20		
2,4-Dimethylphenol	39.0	10	µg/L	50.0		78.0	30-130	11.5		20		
Dimethylphthalate	39.4	10	µg/L	50.0		78.9	40-140	10.4		50		
4,6-Dinitro-2-methylphenol	44.1	10	µg/L	50.0		88.2	30-130	10.8		50		
2,4-Dinitrophenol	43.2	10	µg/L	50.0		86.3	30-130	11.5		50		
2,4-Dinitrotoluene	42.5	10	µg/L	50.0		85.0	40-140	9.99		20		
2,6-Dinitrotoluene	43.1	10	µg/L	50.0		86.2	40-140	12.1		20		
Di-n-octylphthalate	39.0	10	µg/L	50.0		78.0	40-140	3.13		20		
Hexachlorobenzene	42.1	2.0	µg/L	50.0		84.2	40-140	6.37		20		
Hexachlorobutadiene	31.3	10	µg/L	50.0		62.7	40-140	**28.0**	*	20	R-05	
Hexachlorocyclopentadiene	33.8	10	µg/L	50.0		67.7	30-140	7.64		50		
Hexachloroethane	29.0	2.0	µg/L	50.0		58.0	40-140	21.8		50		
Isophorone	43.0	10	µg/L	50.0		86.0	40-140	9.61		20		
2-Methylphenol	36.4	10	µg/L	50.0		72.7	30-130	10.8		20		
3/4-Methylphenol	35.1	10	µg/L	50.0		70.1	30-130	12.0		20		
2-Nitroaniline	47.4	10	µg/L	50.0		94.7	40-140	13.1		20		
3-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140	12.8		20		†
4-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140	11.8		20		
Nitrobenzene	37.6	10	µg/L	50.0		75.2	40-140	11.5		20		
2-Nitrophenol	39.0	10	µg/L	50.0		77.9	30-130	10.5		20		
4-Nitrophenol	21.2	10	µg/L	50.0		42.3	10-130	15.8		50		‡
N-Nitrosodiphenylamine/Diphenylamine	45.0	10	µg/L	50.0		89.9	40-140	8.97		20		
N-Nitrosodi-n-propylamine	40.3	10	µg/L	50.0		80.7	40-140	8.61		20		
Pentachloronitrobenzene	44.3	10	µg/L	50.0		88.7	40-140	9.27		20		
Phenol	18.1	10	µg/L	50.0		36.1	20-130	11.2		20		
Pyridine	15.4	5.0	µg/L	50.0		30.8	10-140	6.22		50		†
1,2,4,5-Tetrachlorobenzene	36.8	10	µg/L	50.0		73.5	40-140	4.05		20		
1,2,4-Trichlorobenzene	33.7	5.0	µg/L	50.0		67.3	40-140	14.5		20		
2,4,5-Trichlorophenol	40.7	10	µg/L	50.0		81.4	30-130	7.50		20		
2,4,6-Trichlorophenol	39.8	10	µg/L	50.0		79.6	30-130	10.5		50		
Surrogate: 2-Fluorophenol	*112*		µg/L	200		56.1	15-110					
Surrogate: Phenol-d6	*82.6*		µg/L	200		41.3	15-110					
Surrogate: Nitrobenzene-d5	*81.9*		µg/L	100		81.9	30-130					
Surrogate: 2-Fluorobiphenyl	*80.0*		µg/L	100		80.0	30-130					
Surrogate: 2,4,6-Tribromophenol	*97.0*		µg/L	100		97.0	15-110					
Surrogate: p-Terphenyl-d14	*91.2*		µg/L	100		91.2	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 B278352 - SW-846 3510C											
Matrix Spike (B278352-MS1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/22/21							
Aniline	32.4	5.0	µg/L	50.0	ND	64.7		40-140			R-06, V-34
Bis(2-chloroethoxy)methane	37.2	10	µg/L	50.0	ND	74.3		40-140			
Bis(2-chloroethyl)ether	39.9	10	µg/L	50.0	ND	79.8		40-140			
Bis(2-chloroisopropyl)ether	44.6	10	µg/L	50.0	ND	89.1		40-140			
4-Bromophenylphenylether	33.5	10	µg/L	50.0	ND	67.0		40-140			
Butylbenzylphthalate	33.3	10	µg/L	50.0	ND	66.6		40-140			
Carbazole	37.9	10	µg/L	50.0	ND	75.9		40-140			
4-Chloroaniline	33.1	10	µg/L	50.0	ND	66.1		40-140			R-06, V-34
4-Chloro-3-methylphenol	41.5	10	µg/L	50.0	ND	83.1		30-130			
2-Chloronaphthalene	31.9	10	µg/L	50.0	ND	63.9		40-140			
2-Chlorophenol	34.6	10	µg/L	50.0	ND	69.3		30-130			
4-Chlorophenylphenylether	35.6	10	µg/L	50.0	ND	71.1		40-140			
Dibenzofuran	37.8	5.0	µg/L	50.0	ND	75.7		40-140			
Di-n-butylphthalate	36.0	10	µg/L	50.0	ND	71.9		40-140			
3,3-Dichlorobenzidine	32.3	10	µg/L	50.0	ND	64.6		40-140			V-34
2,4-Dichlorophenol	36.1	10	µg/L	50.0	ND	72.2		30-130			
Diethylphthalate	35.7	10	µg/L	50.0	ND	71.5		40-140			
2,4-Dimethylphenol	38.1	10	µg/L	50.0	ND	76.2		30-130			
Dimethylphthalate	36.7	10	µg/L	50.0	ND	73.3		40-140			
4,6-Dinitro-2-methylphenol	32.3	10	µg/L	50.0	ND	64.6		30-130			
2,4-Dinitrophenol	26.3	10	µg/L	50.0	ND	52.6		30-130			
2,4-Dinitrotoluene	38.5	10	µg/L	50.0	ND	76.9		40-140			
2,6-Dinitrotoluene	40.0	10	µg/L	50.0	ND	80.0		40-140			
Di-n-octylphthalate	32.8	10	µg/L	50.0	ND	65.7		40-140			
Hexachlorobenzene	34.8	10	µg/L	50.0	ND	69.5		40-140			
Hexachlorobutadiene	29.5	10	µg/L	50.0	ND	59.0		40-140			
Hexachlorocyclopentadiene	15.7	10	µg/L	50.0	ND	**31.4**	*	40-140			MS-09, V-05
Hexachloroethane	28.4	10	µg/L	50.0	ND	56.8		40-140			
Isophorone	42.9	10	µg/L	50.0	ND	85.8		40-140			
2-Methylnaphthalene	39.2	5.0	µg/L	50.0	ND	78.3		40-140			
2-Methylphenol	36.5	10	µg/L	50.0	ND	73.1		30-130			
3/4-Methylphenol	35.7	10	µg/L	50.0	ND	71.4		30-130			
2-Nitroaniline	43.6	10	µg/L	50.0	ND	87.2		40-140			
3-Nitroaniline	37.3	10	µg/L	50.0	ND	74.5		40-140			
4-Nitroaniline	41.4	10	µg/L	50.0	ND	82.9		40-140			
Nitrobenzene	37.7	10	µg/L	50.0	ND	75.4		40-140			
2-Nitrophenol	35.5	10	µg/L	50.0	ND	70.9		30-130			
4-Nitrophenol	24.1	10	µg/L	50.0	ND	48.2		30-130			
N-Nitrosodiphenylamine/Diphenylamine	40.2	10	µg/L	50.0	ND	80.4		40-140			
N-Nitrosodi-n-propylamine	43.5	10	µg/L	50.0	ND	87.0		40-140			
Pentachloronitrobenzene	38.6	10	µg/L	50.0	ND	77.3		40-140			
Phenol	17.9	10	µg/L	50.0	ND	35.8		30-130			
Pyridine	19.4	5.0	µg/L	50.0	ND	**38.8**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	33.3	10	µg/L	50.0	ND	66.6		40-140			
1,2,4-Trichlorobenzene	30.9	5.0	µg/L	50.0	ND	61.8		40-140			
2,4,5-Trichlorophenol	38.1	10	µg/L	50.0	ND	76.1		30-130			
2,4,6-Trichlorophenol	36.5	10	µg/L	50.0	ND	73.0		30-130			
Surrogate: 2-Fluorophenol	*101*		µg/L	200		50.7		15-110			
Surrogate: Phenol-d6	*80.1*		µg/L	200		40.1		15-110			
Surrogate: Nitrobenzene-d5	*83.0*		µg/L	100		83.0		30-130			
Surrogate: 2-Fluorobiphenyl	*79.8*		µg/L	100		79.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*84.7*		µg/L	100		84.7		15-110			

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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 B278352 - SW-846 3510C												
Matrix Spike (B278352-MS1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/22/21								
Surrogate: p-Terphenyl-d14	*84.5*		µg/L	100		84.5		30-130				
Matrix Spike Dup (B278352-MSD1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/22/21								
Aniline	22.0	5.0	µg/L	50.0	ND	43.9		40-140	**38.3**	*	30	R-06, V-34
Bis(2-chloroethoxy)methane	40.7	10	µg/L	50.0	ND	81.5		40-140	9.19		30	
Bis(2-chloroethyl)ether	42.4	10	µg/L	50.0	ND	84.9		40-140	6.15		30	
Bis(2-chloroisopropyl)ether	49.3	10	µg/L	50.0	ND	98.7		40-140	10.2		30	
4-Bromophenylphenylether	38.2	10	µg/L	50.0	ND	76.3		40-140	13.0		30	
Butylbenzylphthalate	35.3	10	µg/L	50.0	ND	70.5		40-140	5.69		30	
Carbazole	39.9	10	µg/L	50.0	ND	79.7		40-140	4.96		30	
4-Chloroaniline	23.4	10	µg/L	50.0	ND	46.9		40-140	**34.0**	*	30	R-06, V-34
4-Chloro-3-methylphenol	43.0	10	µg/L	50.0	ND	85.9		30-130	3.38		30	
2-Chloronaphthalene	35.0	10	µg/L	50.0	ND	70.1		40-140	9.23		30	
2-Chlorophenol	37.5	10	µg/L	50.0	ND	74.9		30-130	7.82		30	
4-Chlorophenylphenylether	38.0	10	µg/L	50.0	ND	76.1		40-140	6.77		30	
Dibenzofuran	40.3	5.0	µg/L	50.0	ND	80.5		40-140	6.22		30	
Di-n-butylphthalate	38.9	10	µg/L	50.0	ND	77.8		40-140	7.88		30	
3,3-Dichlorobenzidine	27.6	10	µg/L	50.0	ND	55.1		40-140	15.8		30	V-34
2,4-Dichlorophenol	39.2	10	µg/L	50.0	ND	78.3		30-130	8.13		30	
Diethylphthalate	37.5	10	µg/L	50.0	ND	75.1		40-140	4.89		30	
2,4-Dimethylphenol	38.1	10	µg/L	50.0	ND	76.2		30-130	0.00		30	
Dimethylphthalate	38.4	10	µg/L	50.0	ND	76.9		40-140	4.69		30	
4,6-Dinitro-2-methylphenol	36.5	10	µg/L	50.0	ND	73.0		30-130	12.3		30	
2,4-Dinitrophenol	28.5	10	µg/L	50.0	ND	56.9		30-130	7.89		30	
2,4-Dinitrotoluene	39.3	10	µg/L	50.0	ND	78.5		40-140	2.06		30	
2,6-Dinitrotoluene	41.9	10	µg/L	50.0	ND	83.8		40-140	4.59		30	
Di-n-octylphthalate	36.7	10	µg/L	50.0	ND	73.4		40-140	11.1		30	
Hexachlorobenzene	38.7	10	µg/L	50.0	ND	77.4		40-140	10.7		30	
Hexachlorobutadiene	34.1	10	µg/L	50.0	ND	68.2		40-140	14.4		30	
Hexachlorocyclopentadiene	18.7	10	µg/L	50.0	ND	**37.5**	*	40-140	17.7		30	MS-09, V-05
Hexachloroethane	32.6	10	µg/L	50.0	ND	65.1		40-140	13.7		30	
Isophorone	45.8	10	µg/L	50.0	ND	91.5		40-140	6.52		30	
2-Methylnaphthalene	42.8	5.0	µg/L	50.0	ND	85.5		40-140	8.79		30	
2-Methylphenol	38.1	10	µg/L	50.0	ND	76.1		30-130	4.10		30	
3/4-Methylphenol	37.5	10	µg/L	50.0	ND	75.0		30-130	4.92		30	
2-Nitroaniline	45.0	10	µg/L	50.0	ND	89.9		40-140	3.03		30	
3-Nitroaniline	30.6	10	µg/L	50.0	ND	61.1		40-140	19.8		30	
4-Nitroaniline	39.6	10	µg/L	50.0	ND	79.3		40-140	4.44		30	
Nitrobenzene	41.0	10	µg/L	50.0	ND	82.1		40-140	8.53		30	
2-Nitrophenol	38.5	10	µg/L	50.0	ND	76.9		30-130	8.09		30	
4-Nitrophenol	20.3	10	µg/L	50.0	ND	40.6		30-130	17.1		30	
N-Nitrosodiphenylamine/Diphenylamine	43.2	10	µg/L	50.0	ND	86.3		40-140	7.17		30	
N-Nitrosodi-n-propylamine	46.9	10	µg/L	50.0	ND	93.9		40-140	7.56		30	
Pentachloronitrobenzene	42.3	10	µg/L	50.0	ND	84.6		40-140	8.97		30	
Phenol	18.8	10	µg/L	50.0	ND	37.5		30-130	4.80		30	
Pyridine	17.0	5.0	µg/L	50.0	ND	**33.9**	*	40-140	13.5		30	MS-09
1,2,4,5-Tetrachlorobenzene	37.4	10	µg/L	50.0	ND	74.8		40-140	11.5		30	
1,2,4-Trichlorobenzene	34.9	5.0	µg/L	50.0	ND	69.7		40-140	12.0		30	
2,4,5-Trichlorophenol	40.8	10	µg/L	50.0	ND	81.5		30-130	6.83		30	
2,4,6-Trichlorophenol	38.8	10	µg/L	50.0	ND	77.5		30-130	6.00		30	
Surrogate: 2-Fluorophenol	*111*		µg/L	200		55.3		15-110				
Surrogate: Phenol-d6	*85.5*		µg/L	200		42.8		15-110				

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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 B278352 - SW-846 3510C											
Matrix Spike Dup (B278352-MSD1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/22/21							
Surrogate: Nitrobenzene-d5	*89.2*		µg/L	100		89.2		30-130			
Surrogate: 2-Fluorobiphenyl	*88.0*		µg/L	100		88.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*87.9*		µg/L	100		87.9		15-110			
Surrogate: p-Terphenyl-d14	*88.5*		µg/L	100		88.5		30-130			
Batch B278445 - SW-846 3510C											
Blank (B278445-BLK1)				Prepared: 03/19/21 Analyzed: 03/22/21							
Acenaphthene (SIM)	ND	0.15	µg/L								
Acenaphthylene (SIM)	ND	0.15	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								
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.50	µg/L								
Chrysene (SIM)	ND	0.10	µg/L								
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L								
Fluoranthene (SIM)	ND	0.25	µg/L								
Fluorene (SIM)	ND	0.50	µg/L								
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L								
2-Methylnaphthalene (SIM)	ND	0.50	µg/L								
Naphthalene (SIM)	ND	0.50	µg/L								
Pentachlorophenol (SIM)	ND	0.50	µg/L								
Phenanthrene (SIM)	ND	0.025	µg/L								
Pyrene (SIM)	ND	0.50	µg/L								
Surrogate: 2-Fluorophenol (SIM)	*107*		µg/L	200		53.5		15-110			
Surrogate: Phenol-d6 (SIM)	*73.6*		µg/L	200		36.8		15-110			
Surrogate: Nitrobenzene-d5	*86.3*		µg/L	100		86.3		30-130			
Surrogate: 2-Fluorobiphenyl	*84.7*		µg/L	100		84.7		30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*118*		µg/L	100		**118**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*89.1*		µg/L	100		89.1		30-130			
LCS (B278445-BS1)				Prepared: 03/19/21 Analyzed: 03/22/21							
Acenaphthene (SIM)	37.6	6.0	µg/L	50.0		75.3		40-140			
Acenaphthylene (SIM)	37.4	6.0	µg/L	50.0		74.8		40-140			
Anthracene (SIM)	38.9	4.0	µg/L	50.0		77.8		40-140			
Benzo(a)anthracene (SIM)	37.0	1.0	µg/L	50.0		74.0		40-140			
Benzo(a)pyrene (SIM)	34.4	2.0	µg/L	50.0		68.8		40-140			
Benzo(b)fluoranthene (SIM)	39.7	1.0	µg/L	50.0		79.4		40-140			
Benzo(g,h,i)perylene (SIM)	34.4	10	µg/L	50.0		68.8		40-140			
Benzo(k)fluoranthene (SIM)	40.4	4.0	µg/L	50.0		80.7		40-140			
Bis(2-ethylhexyl)phthalate (SIM)	42.3	20	µg/L	50.0		84.7		40-140			
Chrysene (SIM)	35.0	4.0	µg/L	50.0		70.1		40-140			
Dibenz(a,h)anthracene (SIM)	34.1	4.0	µg/L	50.0		68.2		40-140			
Fluoranthene (SIM)	35.4	10	µg/L	50.0		70.8		40-140			
Fluorene (SIM)	37.4	20	µg/L	50.0		74.8		40-140			
Indeno(1,2,3-cd)pyrene (SIM)	34.8	4.0	µg/L	50.0		69.6		40-140			
2-Methylnaphthalene (SIM)	35.0	20	µg/L	50.0		70.1		40-140			
Naphthalene (SIM)	28.5	20	µg/L	50.0		57.0		40-140			
Pentachlorophenol (SIM)	36.2	20	µg/L	50.0		72.4		40-140			
Phenanthrene (SIM)	37.2	1.0	µg/L	50.0		74.4		40-140			

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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 B278445 - SW-846 3510C										
LCS (B278445-BS1)				Prepared: 03/19/21 Analyzed: 03/22/21						
Pyrene (SIM)	35.7	20	µg/L	50.0		71.3	40-140			
Surrogate: 2-Fluorophenol (SIM)	*98.5*		µg/L	200		49.3	15-110			
Surrogate: Phenol-d6 (SIM)	*69.1*		µg/L	200		34.5	15-110			
Surrogate: Nitrobenzene-d5	*75.2*		µg/L	100		75.2	30-130			
Surrogate: 2-Fluorobiphenyl	*76.9*		µg/L	100		76.9	30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*84.2*		µg/L	100		84.2	15-110			
Surrogate: p-Terphenyl-d14	*64.9*		µg/L	100		64.9	30-130			
LCS Dup (B278445-BSD1)				Prepared: 03/19/21 Analyzed: 03/22/21						
Acenaphthene (SIM)	38.3	6.0	µg/L	50.0		76.6	40-140	1.69	20	
Acenaphthylene (SIM)	38.2	6.0	µg/L	50.0		76.4	40-140	2.12	20	
Anthracene (SIM)	38.4	4.0	µg/L	50.0		76.7	40-140	1.35	20	
Benzo(a)anthracene (SIM)	36.6	1.0	µg/L	50.0		73.3	40-140	1.03	20	
Benzo(a)pyrene (SIM)	34.0	2.0	µg/L	50.0		67.9	40-140	1.23	20	
Benzo(b)fluoranthene (SIM)	39.1	1.0	µg/L	50.0		78.2	40-140	1.47	20	
Benzo(g,h,i)perylene (SIM)	35.0	10	µg/L	50.0		69.9	40-140	1.67	20	
Benzo(k)fluoranthene (SIM)	40.3	4.0	µg/L	50.0		80.5	40-140	0.248	20	
Bis(2-ethylhexyl)phthalate (SIM)	39.6	20	µg/L	50.0		79.2	40-140	6.64	20	
Chrysene (SIM)	34.6	4.0	µg/L	50.0		69.3	40-140	1.15	20	
Dibenz(a,h)anthracene (SIM)	34.4	4.0	µg/L	50.0		68.7	40-140	0.760	20	
Fluoranthene (SIM)	34.9	10	µg/L	50.0		69.8	40-140	1.37	20	
Fluorene (SIM)	37.4	20	µg/L	50.0		74.8	40-140	0.0535	20	
Indeno(1,2,3-cd)pyrene (SIM)	35.3	4.0	µg/L	50.0		70.6	40-140	1.43	20	‡
2-Methylnaphthalene (SIM)	37.6	20	µg/L	50.0		75.2	40-140	7.00	20	
Naphthalene (SIM)	32.6	20	µg/L	50.0		65.1	40-140	13.3	20	
Pentachlorophenol (SIM)	35.2	20	µg/L	50.0		70.4	40-140	2.91	20	
Phenanthrene (SIM)	37.1	1.0	µg/L	50.0		74.2	40-140	0.215	20	
Pyrene (SIM)	35.0	20	µg/L	50.0		69.9	40-140	1.98	20	
Surrogate: 2-Fluorophenol (SIM)	*96.1*		µg/L	200		48.0	15-110			
Surrogate: Phenol-d6 (SIM)	*67.5*		µg/L	200		33.8	15-110			
Surrogate: Nitrobenzene-d5	*74.9*		µg/L	100		74.9	30-130			
Surrogate: 2-Fluorobiphenyl	*77.4*		µg/L	100		77.4	30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*84.1*		µg/L	100		84.1	15-110			
Surrogate: p-Terphenyl-d14	*65.1*		µg/L	100		65.1	30-130			
Matrix Spike (B278445-MS1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/22/21						
Acenaphthene (SIM)	33.1	6.0	µg/L	50.0	ND	66.2	40-140			
Acenaphthylene (SIM)	32.9	6.0	µg/L	50.0	ND	65.8	40-140			
Anthracene (SIM)	33.5	4.0	µg/L	50.0	ND	67.0	40-140			
Benzo(a)anthracene (SIM)	32.1	1.0	µg/L	50.0	ND	64.1	40-140			
Benzo(a)pyrene (SIM)	29.8	2.0	µg/L	50.0	ND	59.6	40-140			
Benzo(b)fluoranthene (SIM)	34.8	1.0	µg/L	50.0	ND	69.6	40-140			
Benzo(g,h,i)perylene (SIM)	29.9	10	µg/L	50.0	ND	59.8	40-140			
Benzo(k)fluoranthene (SIM)	35.4	4.0	µg/L	50.0	ND	70.8	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	33.0	20	µg/L	50.0	ND	66.1	40-140			
Chrysene (SIM)	30.5	4.0	µg/L	50.0	ND	61.0	40-140			
Dibenz(a,h)anthracene (SIM)	29.2	4.0	µg/L	50.0	ND	58.5	40-140			
Fluoranthene (SIM)	30.1	10	µg/L	50.0	ND	60.2	40-140			
Fluorene (SIM)	31.9	20	µg/L	50.0	ND	63.9	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	29.8	4.0	µg/L	50.0	ND	59.5	40-140			
2-Methylnaphthalene (SIM)	33.5	20	µg/L	50.0	ND	67.0	40-140			
Naphthalene (SIM)	29.1	20	µg/L	50.0	ND	58.2	40-140			

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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 B278445 - SW-846 3510C										
Matrix Spike (B278445-MS1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/22/21						
Pentachlorophenol (SIM)	30.4	20	µg/L	50.0	ND	60.9	40-140			
Phenanthrene (SIM)	32.6	1.0	µg/L	50.0	ND	65.2	40-140			
Pyrene (SIM)	31.7	20	µg/L	50.0	ND	63.5	40-140			
Surrogate: 2-Fluorophenol (SIM)	*80.7*		µg/L	200		40.3	15-110			
Surrogate: Phenol-d6 (SIM)	*58.9*		µg/L	200		29.4	15-110			
Surrogate: Nitrobenzene-d5	*62.6*		µg/L	100		62.6	30-130			
Surrogate: 2-Fluorobiphenyl	*64.3*		µg/L	100		64.3	30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*71.5*		µg/L	100		71.5	15-110			
Surrogate: p-Terphenyl-d14	*57.7*		µg/L	100		57.7	30-130			
Matrix Spike Dup (B278445-MSD1)	**Source: 21C0983-07**			Prepared: 03/19/21 Analyzed: 03/22/21						
Acenaphthene (SIM)	38.4	6.0	µg/L	50.0	ND	76.8	40-140	14.8	30	
Acenaphthylene (SIM)	38.2	6.0	µg/L	50.0	ND	76.4	40-140	14.9	30	
Anthracene (SIM)	37.7	4.0	µg/L	50.0	ND	75.5	40-140	11.8	30	
Benzo(a)anthracene (SIM)	35.7	1.0	µg/L	50.0	ND	71.3	40-140	10.6	30	
Benzo(a)pyrene (SIM)	33.3	2.0	µg/L	50.0	ND	66.6	40-140	11.0	30	
Benzo(b)fluoranthene (SIM)	38.7	1.0	µg/L	50.0	ND	77.3	40-140	10.5	30	
Benzo(g,h,i)perylene (SIM)	33.5	10	µg/L	50.0	ND	67.0	40-140	11.4	30	
Benzo(k)fluoranthene (SIM)	39.6	4.0	µg/L	50.0	ND	79.3	40-140	11.4	30	
Bis(2-ethylhexyl)phthalate (SIM)	37.4	20	µg/L	50.0	ND	74.8	40-140	12.4	30	
Chrysene (SIM)	33.9	4.0	µg/L	50.0	ND	67.8	40-140	10.6	30	
Dibenz(a,h)anthracene (SIM)	32.6	4.0	µg/L	50.0	ND	65.1	40-140	10.7	30	
Fluoranthene (SIM)	33.8	10	µg/L	50.0	ND	67.6	40-140	11.5	30	
Fluorene (SIM)	37.1	20	µg/L	50.0	ND	74.3	40-140	15.1	30	
Indeno(1,2,3-cd)pyrene (SIM)	33.4	4.0	µg/L	50.0	ND	66.8	40-140	11.6	30	
2-Methylnaphthalene (SIM)	39.7	20	µg/L	50.0	ND	79.4	40-140	16.9	30	
Naphthalene (SIM)	34.9	20	µg/L	50.0	ND	69.8	40-140	18.1	30	
Pentachlorophenol (SIM)	34.4	20	µg/L	50.0	ND	68.8	40-140	12.2	30	
Phenanthrene (SIM)	36.5	1.0	µg/L	50.0	ND	72.9	40-140	11.2	30	
Pyrene (SIM)	34.9	20	µg/L	50.0	ND	69.8	40-140	9.54	30	
Surrogate: 2-Fluorophenol (SIM)	*96.8*		µg/L	200		48.4	15-110			
Surrogate: Phenol-d6 (SIM)	*68.8*		µg/L	200		34.4	15-110			
Surrogate: Nitrobenzene-d5	*75.4*		µg/L	100		75.4	30-130			
Surrogate: 2-Fluorobiphenyl	*78.2*		µg/L	100		78.2	30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*81.5*		µg/L	100		81.5	15-110			
Surrogate: p-Terphenyl-d14	*58.2*		µg/L	100		58.2	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B278629 - SW-846 3510C											
Blank (B278629-BLK1)				Prepared: 03/23/21 Analyzed: 03/24/21							
C9-C18 Aliphatics	ND	100	µg/L								
C19-C36 Aliphatics	ND	100	µg/L								
Unadjusted C11-C22 Aromatics	ND	100	µg/L								
C11-C22 Aromatics	ND	100	µg/L								
Acenaphthene	ND	2.0	µg/L								
Anthracene	ND	2.0	µg/L								
Fluoranthene	ND	2.0	µg/L								
Fluorene	ND	2.0	µg/L								
2-Methylnaphthalene	ND	2.0	µg/L								
Naphthalene	ND	2.0	µg/L								L-04
Pyrene	ND	2.0	µg/L								
Naphthalene-aliphatic fraction	ND	2.0	µg/L								
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L								
Surrogate: Chlorooctadecane (COD)	*66.9*		µg/L	100		66.9		40-140			
Surrogate: o-Terphenyl (OTP)	*86.0*		µg/L	100		86.0		40-140			
Surrogate: 2-Bromonaphthalene	*95.7*		µg/L	100		95.7		40-140			
Surrogate: 2-Fluorobiphenyl	*119*		µg/L	100		119		40-140			
LCS (B278629-BS1)				Prepared: 03/23/21 Analyzed: 03/24/21							
C9-C18 Aliphatics	331	100	µg/L	600		55.2		0-200			
C19-C36 Aliphatics	647	100	µg/L	800		80.9		0-200			
Unadjusted C11-C22 Aromatics	1290	100	µg/L	1700		76.1		0-200			
Acenaphthene	66.6	2.0	µg/L	100		66.6		40-140			
Anthracene	79.8	2.0	µg/L	100		79.8		40-140			
Fluoranthene	81.5	2.0	µg/L	100		81.5		40-140			
Fluorene	69.9	2.0	µg/L	100		69.9		40-140			
2-Methylnaphthalene	46.6	2.0	µg/L	100		46.6		40-140			
Naphthalene	38.3	2.0	µg/L	100		**38.3**	*	40-140			L-04
Pyrene	83.3	2.0	µg/L	100		83.3		40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
Surrogate: Chlorooctadecane (COD)	*62.0*		µg/L	100		62.0		40-140			
Surrogate: o-Terphenyl (OTP)	*82.7*		µg/L	100		82.7		40-140			
Surrogate: 2-Bromonaphthalene	*97.3*		µg/L	100		97.3		40-140			
Surrogate: 2-Fluorobiphenyl	*124*		µg/L	100		124		40-140			
LCS Dup (B278629-BSD1)				Prepared: 03/23/21 Analyzed: 03/24/21							
C9-C18 Aliphatics	375	100	µg/L	600		62.4		0-200	12.2		
C19-C36 Aliphatics	751	100	µg/L	800		93.9		0-200	14.8		
Unadjusted C11-C22 Aromatics	1400	100	µg/L	1700		82.1		0-200	7.59		
Acenaphthene	70.4	2.0	µg/L	100		70.4		40-140	5.46	25	
Anthracene	87.5	2.0	µg/L	100		87.5		40-140	9.17	25	
Fluoranthene	88.2	2.0	µg/L	100		88.2		40-140	7.90	25	
Fluorene	75.6	2.0	µg/L	100		75.6		40-140	7.83	25	
2-Methylnaphthalene	47.5	2.0	µg/L	100		47.5		40-140	1.93	25	
Naphthalene	38.2	2.0	µg/L	100		**38.2**	*	40-140	0.0942	25	L-04
Pyrene	90.0	2.0	µg/L	100		90.0		40-140	7.75	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
Surrogate: Chlorooctadecane (COD)	*72.2*		µg/L	100		72.2		40-140			
Surrogate: o-Terphenyl (OTP)	*88.3*		µg/L	100		88.3		40-140			
Surrogate: 2-Bromonaphthalene	*95.8*		µg/L	100		95.8		40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B278629 - SW-846 3510C											
LCS Dup (B278629-BSD1)				Prepared: 03/23/21 Analyzed: 03/24/21							
Surrogate: 2-Fluorobiphenyl	*125*		µg/L	100		125		40-140			
Matrix Spike (B278629-MS1)		**Source: 21C0983-07**		Prepared: 03/23/21 Analyzed: 03/24/21							
C9-C18 Aliphatics	317	100	µg/L	600	ND	52.9		40-140			
C19-C36 Aliphatics	605	100	µg/L	800	ND	75.6		40-140			
Unadjusted C11-C22 Aromatics	1210	100	µg/L	1700	ND	70.9		40-140			
Acenaphthene	61.6	2.0	µg/L	100	ND	61.6		40-140			
Anthracene	74.6	2.0	µg/L	100	ND	74.6		40-140			
Fluoranthene	75.8	2.0	µg/L	100	ND	75.8		40-140			
Fluorene	64.4	2.0	µg/L	100	ND	64.4		40-140			
2-Methylnaphthalene	43.3	2.0	µg/L	100	ND	43.3		40-140			
Naphthalene	36.3	2.0	µg/L	100	ND	**36.3**	*	40-140			L-04, MS-09
Pyrene	77.6	2.0	µg/L	100	ND	77.6		40-140			
Surrogate: Chlorooctadecane (COD)	*55.2*		µg/L	100		55.2		40-140			
Surrogate: o-Terphenyl (OTP)	*74.0*		µg/L	100		74.0		40-140			
Surrogate: 2-Bromonaphthalene	*93.0*		µg/L	100		93.0		40-140			
Surrogate: 2-Fluorobiphenyl	*120*		µg/L	100		120		40-140			
Matrix Spike Dup (B278629-MSD1)		**Source: 21C0983-07**		Prepared: 03/23/21 Analyzed: 03/24/21							
C9-C18 Aliphatics	329	100	µg/L	600	ND	54.9		40-140	3.69	50	
C19-C36 Aliphatics	642	100	µg/L	800	ND	80.2		40-140	5.88	50	
Unadjusted C11-C22 Aromatics	1270	100	µg/L	1700	ND	74.8		40-140	5.30	50	
Acenaphthene	65.7	2.0	µg/L	100	ND	65.7		40-140	6.55	50	
Anthracene	79.9	2.0	µg/L	100	ND	79.9		40-140	6.86	50	
Fluoranthene	80.3	2.0	µg/L	100	ND	80.3		40-140	5.76	50	
Fluorene	69.2	2.0	µg/L	100	ND	69.2		40-140	7.21	50	
2-Methylnaphthalene	45.4	2.0	µg/L	100	ND	45.4		40-140	4.77	50	
Naphthalene	36.5	2.0	µg/L	100	ND	**36.5**	*	40-140	0.648	50	L-04, MS-09
Pyrene	81.9	2.0	µg/L	100	ND	81.9		40-140	5.37	50	
Surrogate: Chlorooctadecane (COD)	*61.4*		µg/L	100		61.4		40-140			
Surrogate: o-Terphenyl (OTP)	*79.4*		µg/L	100		79.4		40-140			
Surrogate: 2-Bromonaphthalene	*102*		µg/L	100		102		40-140			
Surrogate: 2-Fluorobiphenyl	*129*		µg/L	100		129		40-140			

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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 B278363 - SW-846 7470A Prep										
Blank (B278363-BLK1)				Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	ND	0.00010	mg/L							
LCS (B278363-BS1)				Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	0.00413	0.00010	mg/L	0.00400		103	80-120			
LCS Dup (B278363-BSD1)				Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	0.00420	0.00010	mg/L	0.00400		105	80-120	1.58	20	
Batch B278435 - SW-846 3005A										
Blank (B278435-BLK1)				Prepared: 03/21/21 Analyzed: 03/22/21						
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 (B278435-BS1)				Prepared: 03/21/21 Analyzed: 03/22/21						
Antimony	483	10	µg/L	500		96.5	80-120			
Arsenic	483	8.0	µg/L	500		96.6	80-120			
Barium	485	100	µg/L	500		96.9	80-120			
Beryllium	476	4.0	µg/L	500		95.2	80-120			
Cadmium	467	2.0	µg/L	500		93.3	80-120			
Chromium	484	10	µg/L	500		96.8	80-120			
Copper	945	10	µg/L	1000		94.5	80-120			
Lead	473	5.0	µg/L	500		94.7	80-120			
Nickel	480	50	µg/L	500		95.9	80-120			
Selenium	469	50	µg/L	500		93.7	80-120			
Silver	471	2.0	µg/L	500		94.2	80-120			
Thallium	475	2.0	µg/L	500		94.9	80-120			
Vanadium	449	50	µg/L	500		89.9	80-120			
Zinc	943	100	µg/L	1000		94.3	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 B278435 - SW-846 3005A											
LCS Dup (B278435-BSD1)				Prepared: 03/21/21 Analyzed: 03/22/21							
Antimony	485	10	µg/L	500		97.0		80-120	0.554	20	
Arsenic	488	8.0	µg/L	500		97.6		80-120	1.03	20	
Barium	483	100	µg/L	500		96.5		80-120	0.419	20	
Beryllium	480	4.0	µg/L	500		96.0		80-120	0.880	20	
Cadmium	468	2.0	µg/L	500		93.7		80-120	0.368	20	
Chromium	486	10	µg/L	500		97.1		80-120	0.373	20	
Copper	955	10	µg/L	1000		95.5		80-120	1.08	20	
Lead	476	5.0	µg/L	500		95.2		80-120	0.521	20	
Nickel	478	50	µg/L	500		95.7		80-120	0.291	20	
Selenium	470	50	µg/L	500		93.9		80-120	0.186	20	
Silver	472	2.0	µg/L	500		94.5		80-120	0.230	20	
Thallium	477	2.0	µg/L	500		95.3		80-120	0.400	20	
Vanadium	452	50	µg/L	500		90.5		80-120	0.661	20	
Zinc	955	100	µg/L	1000		95.5		80-120	1.29	20	
Matrix Spike (B278435-MS1)	**Source: 21C0983-07**			Prepared: 03/21/21 Analyzed: 03/22/21							
Antimony	494	10	µg/L	500	ND	98.8		75-125			
Arsenic	502	8.0	µg/L	500	ND	100		75-125			
Barium	830	100	µg/L	500	335	98.8		75-125			
Beryllium	489	4.0	µg/L	500	ND	97.8		75-125			
Cadmium	480	2.0	µg/L	500	ND	96.0		75-125			
Chromium	489	10	µg/L	500	ND	97.8		75-125			
Copper	933	10	µg/L	1000	ND	93.3		75-125			
Lead	483	5.0	µg/L	500	ND	96.6		75-125			
Nickel	475	50	µg/L	500	ND	95.0		75-125			
Selenium	488	50	µg/L	500	ND	97.6		75-125			
Silver	366	2.0	µg/L	500	ND	**73.2**	*	75-125			MS-07A
Thallium	488	2.0	µg/L	500	ND	97.7		75-125			
Vanadium	471	50	µg/L	500	ND	94.2		75-125			
Zinc	1010	100	µg/L	1000	59.5	95.3		75-125			
Matrix Spike Dup (B278435-MSD1)	**Source: 21C0983-07**			Prepared: 03/21/21 Analyzed: 03/22/21							
Antimony	483	10	µg/L	500	ND	96.5		75-125	2.27	20	
Arsenic	498	8.0	µg/L	500	ND	99.7		75-125	0.740	20	
Barium	817	100	µg/L	500	335	96.4		75-125	1.51	20	
Beryllium	479	4.0	µg/L	500	ND	95.8		75-125	2.01	20	
Cadmium	473	2.0	µg/L	500	ND	94.7		75-125	1.34	20	
Chromium	483	10	µg/L	500	ND	96.7		75-125	1.14	20	
Copper	925	10	µg/L	1000	ND	92.5		75-125	0.770	20	
Lead	480	5.0	µg/L	500	ND	96.1		75-125	0.548	20	
Nickel	473	50	µg/L	500	ND	94.6		75-125	0.374	20	
Selenium	480	50	µg/L	500	ND	96.0		75-125	1.58	20	
Silver	360	2.0	µg/L	500	ND	**72.1**	*	75-125	1.59	20	MS-07A
Thallium	483	2.0	µg/L	500	ND	96.5		75-125	1.20	20	
Vanadium	464	50	µg/L	500	ND	92.7		75-125	1.57	20	
Zinc	1000	100	µg/L	1000	59.5	94.5		75-125	0.791	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 B278677 - SW-846 7470A Prep										
Blank (B278677-BLK1)				Prepared & Analyzed: 03/24/21						
Mercury	ND	0.00010	mg/L							
LCS (B278677-BS1)				Prepared & Analyzed: 03/24/21						
Mercury	0.00415	0.00010	mg/L	0.00400		104	80-120			
LCS Dup (B278677-BSD1)				Prepared & Analyzed: 03/24/21						
Mercury	0.00407	0.00010	mg/L	0.00400		102	80-120	1.98	20	
Matrix Spike (B278677-MS1)		**Source: 21C0983-07RE1**		Prepared & Analyzed: 03/24/21						
Mercury	0.00401	0.00010	mg/L	0.00400	ND	100	75-125			
Matrix Spike Dup (B278677-MSD1)		**Source: 21C0983-07RE1**		Prepared & Analyzed: 03/24/21						
Mercury	0.00411	0.00010	mg/L	0.00400	ND	103	75-125	2.50	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-17	Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
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
MADEP EPH rev 2.1 in Water	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
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
Aniline	NY,NH
Anthracene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Soil	
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D-E in Water	
Acenaphthene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Water	
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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	04/1/2021
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	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

2C0983 ~~2C9~~ 3/18/21

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 LLC
Address: 58 H Connecticut Ave, South Windsor
Phone: 860-282-1700
Project Name: Eversource Energy - Wethersfield
Project Location: Wethersfield, CT
Project Number: 6089-015A
Project Manager: Dan Wilson
Con-Test Quote Name/Number: 6089-015A
Invoice Recipient: Apex Companies LLC
Sampled By: M. Ludwig

Turnaround Time Requested (TAT)
5-Day ✓ 10-Day
PFAS 10-Day (std) Due Date:
RUSH (Surcharge Applies)
1-Day 3-Day
2-Day 4-Day

Dissolved Metals Filtered?
Field Filtered
Lab to Filter
Extractable Petroleum Filtered?
Field Filtered
Lab to Filter

Data Delivery
Format: PDF ✓ 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	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	H	I	H	N	M
1	TB20210317	3/17/21	8:00	—	D	C	1					X				
2	AP-12R	3/17/21	9:00	Grab	GW	U	3	4	2			X	X	X	X	
3	AP-3R	3/17/21	11:50	Grab	GW	U	3	4	2			X	X	X	X	
4	AP-11R	3/17/21	3:00	Grab	GW	U	3	4	2			X	X	X	X	
5	DUP20210317	3/17/21	—	Grab	GW	U	3	4	2			X	X	X	X	
6	TB20210318	3/18/21	7:00	—	D	C	1					X				
7	AP-15R-BRMS/MSD	3/18/21	9:25	Grab	GW	U	9	12	6			X	X	X	X	
8	AP-6R	3/18/21	2:05	Grab	GW	U	3	4	2			X	X	X	X	

VOC's 8260 | Semis (SIMS for PAH's) | EDD | Total RSR metals + Mercury | Dissolved RSR metals

[2] Preservation Code

Container Type Only
Total Number Of:
VIALS 26
GLASS 32
PLASTIC 16
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)
Trip Blank

[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)

	Date/Time
Relinquished by: (signature)	3/18/21
Received by: (signature)	6/18/21 16:58
Relinquished by: (signature)	6/18/21 7:45
Received by: (signature)	3/19/21 1905
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:
* HOLD Dissolved CTRSR metals *
* Bis(2-Ethylhexyl)phthalate needs to be below 2ug/l *

Reporting Limit Requirements
RCP
CTRSR GA, SWPC, RVC + I/C VC
Other

Special Requirements
MA MCP Required
Additional Data Required
CT RCP Required
RI Specific Data Format Required
NJ Reduced Deliverables
NELAC and AIHA-LAP, LLC Accredited

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

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

Other
Chromatogram
AIHA-LAP,LLC

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

Received By _____ Date 3/12/21 Time 1945

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 - 3.3, 3.8
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? T MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? Acid T Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	32	1 Liter Plastic		16 oz Amb.	
HCL-	26	500 mL Amb.		500 mL Plastic	16	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: Wethersfield, CT

Project Number: 21C0983

Laboratory Sample ID(s):

21C0983-01 thru 21C0983-08

Sample Date(s):

03/17/2021,
03/18/2021

List RCP Methods Used:

MADEP EPH rev 2.1, 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:** **03/26/21**

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

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

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March 25, 2021

Donna L. Kask
Apex Companies, LLC - South Windsor, CT
58 (H) Connecticut Avenue
South Windsor, CT 06074

Project Location: Wethersfield, CT
Client Job Number:
Project Number: 6089-015
Laboratory Work Order Number: 21C0981

Enclosed are results of analyses for samples received by the laboratory on March 18, 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: Donna L. Kask

REPORT DATE: 3/25/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0981

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

PROJECT LOCATION: Wethersfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AP-3R Filtered	21C0981-01	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8270D-E	
AP-15R-BR Filtered	21C0981-02	Ground Water		SW-846 6020B	
				SW-846 7470A	
				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.

SW-846 8270D-E

Qualifications:

R-05

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

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
21C0981-01[AP-3R Filtered], 21C0981-02[AP-15R-BR Filtered], B278352-BLK1, B278352-BS1, B278352-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
21C0981-01[AP-3R Filtered], 21C0981-02[AP-15R-BR Filtered]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol (SIM)
21C0981-01[AP-3R Filtered], B278445-BLK1

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:

Hexachlorocyclopentadiene
21C0981-02[AP-15R-BR Filtered], S058031-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:

3,3-Dichlorobenzidine
21C0981-02[AP-15R-BR Filtered], S058031-CCV1

4-Chloroaniline
21C0981-01[AP-3R Filtered], 21C0981-02[AP-15R-BR Filtered], B278352-BLK1, B278352-BS1, B278352-BSD1, S057938-CCV1, S057974-CCV1, S058031-CCV1

Aniline
21C0981-01[AP-3R Filtered], 21C0981-02[AP-15R-BR Filtered], B278352-BLK1, B278352-BS1, B278352-BSD1, S057938-CCV1, S057974-CCV1, S058031-CCV1

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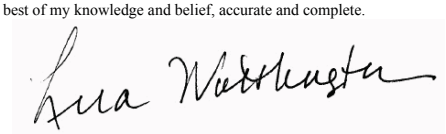
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in 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: Wethersfield, CT | Sample Description: | Work Order: 21C0981
Date Received: 3/18/2021
Field Sample #: AP-3R Filtered | Sampled: 3/17/2021 11:50
Sample ID: 21C0981-01
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	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Aniline	ND	5.0	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0981

Date Received: 3/18/2021

Field Sample #: AP-3R Filtered | Sampled: 3/17/2021 11:50

Sample ID: 21C0981-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:32	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/20/21 15:49	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual		
2-Fluorophenol	58.3		15-110			3/20/21 15:49
2-Fluorophenol (SIM)	54.4		15-110			3/22/21 12:32
Phenol-d6	44.7		15-110			3/20/21 15:49
Phenol-d6 (SIM)	38.8		15-110			3/22/21 12:32
Nitrobenzene-d5	84.3		30-130			3/20/21 15:49
Nitrobenzene-d5	85.6		30-130			3/22/21 12:32
2-Fluorobiphenyl	93.4		30-130			3/22/21 12:32
2-Fluorobiphenyl	88.6		30-130			3/20/21 15:49
2,4,6-Tribromophenol	96.6		15-110			3/20/21 15:49
2,4,6-Tribromophenol (SIM)	**117**	*	15-110	S-07		3/22/21 12:32
p-Terphenyl-d14	97.3		30-130			3/20/21 15:49
p-Terphenyl-d14	88.3		30-130			3/22/21 12:32

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0981

Date Received: 3/18/2021

Field Sample #: AP-3R Filtered | Sampled: 3/17/2021 11:50

Sample ID: 21C0981-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Barium	140	10		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Cadmium	0.069	0.20	0.038	µg/L	1	J	SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Copper	5.8	1.0	0.87	µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/19/21	3/23/21 11:03	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH
Zinc	15	10	2.3	µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:25	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0981

Date Received: 3/18/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 3/18/2021 09:25

Sample ID: 21C0981-02

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	0.31	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Acenaphthylene (SIM)	ND	0.31	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Aniline	ND	5.2	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Anthracene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Benzo(a)anthracene (SIM)	ND	0.052	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Benzo(b)fluoranthene (SIM)	ND	0.052	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.52	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Benzo(k)fluoranthene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Chrysene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Dibenzofuran	ND	5.2	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1	V-34	SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Fluoranthene (SIM)	ND	0.52	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Hexachlorobenzene	ND	2.1	µg/L	1	RL-03	SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Hexachloroethane	ND	2.1	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.21	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0981
Date Received: 3/18/2021
Field Sample #: AP-15R-BR Filtered | Sampled: 3/18/2021 09:25
Sample ID: 21C0981-02
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Pentachlorophenol (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Phenanthrene (SIM)	ND	0.052	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 12:55	IMR
Pyridine	ND	5.2	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
1,2,4-Trichlorobenzene	ND	5.2	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	3/19/21	3/22/21 13:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.5	15-110		3/22/21 13:13
2-Fluorophenol (SIM)	47.3	15-110		3/22/21 12:55
Phenol-d6	40.4	15-110		3/22/21 13:13
Phenol-d6 (SIM)	33.4	15-110		3/22/21 12:55
Nitrobenzene-d5	89.3	30-130		3/22/21 13:13
Nitrobenzene-d5	81.6	30-130		3/22/21 12:55
2-Fluorobiphenyl	86.2	30-130		3/22/21 12:55
2-Fluorobiphenyl	84.7	30-130		3/22/21 13:13
2,4,6-Tribromophenol	96.7	15-110		3/22/21 13:13
2,4,6-Tribromophenol (SIM)	104	15-110		3/22/21 12:55
p-Terphenyl-d14	97.3	30-130		3/22/21 13:13
p-Terphenyl-d14	80.2	30-130		3/22/21 12:55

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21C0981

Date Received: 3/18/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 3/18/2021 09:25

Sample ID: 21C0981-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Arsenic	4.3	0.80		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Barium	360	10		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Cadmium	ND	0.20	0.038	µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Chromium	1.2	1.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Copper	4.8	1.0	0.87	µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	3/19/21	3/23/21 11:05	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH
Zinc	18	10	2.3	µg/L	1		SW-846 6020B	3/19/21	3/20/21 17:28	MJH

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0981-01 [AP-3R Filtered]	B278381	50.0	50.0	03/19/21
21C0981-02 [AP-15R-BR Filtered]	B278381	50.0	50.0	03/19/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0981-01 [AP-3R Filtered]	B278367	6.00	6.00	03/19/21
21C0981-02 [AP-15R-BR Filtered]	B278367	6.00	6.00	03/19/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0981-01 [AP-3R Filtered]	B278352	1000	1.00	03/19/21
21C0981-02 [AP-15R-BR Filtered]	B278352	960	1.00	03/19/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21C0981-01 [AP-3R Filtered]	B278445	1000	1.00	03/19/21
21C0981-02 [AP-15R-BR Filtered]	B278445	960	1.00	03/19/21

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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 B278352 - SW-846 3510C										
Blank (B278352-BLK1)				Prepared & Analyzed: 03/19/21						
Aniline	ND	2.5	µg/L							V-34
Bis(2-chloroethoxy)methane	ND	5.0	µg/L							
Bis(2-chloroethyl)ether	ND	5.0	µg/L							
Bis(2-chloroisopropyl)ether	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	5.0	µg/L							
Butylbenzylphthalate	ND	5.0	µg/L							
Carbazole	ND	5.0	µg/L							
4-Chloroaniline	ND	5.0	µg/L							V-34
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2-Chloronaphthalene	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
4-Chlorophenylphenylether	ND	5.0	µg/L							
Dibenzofuran	ND	2.5	µg/L							
Di-n-butylphthalate	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
Diethylphthalate	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
Dimethylphthalate	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
2,4-Dinitrotoluene	ND	5.0	µg/L							
2,6-Dinitrotoluene	ND	5.0	µg/L							
Di-n-octylphthalate	ND	5.0	µg/L							
Hexachlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	5.0	µg/L							R-05
Hexachlorocyclopentadiene	ND	5.0	µg/L							
Hexachloroethane	ND	1.0	µg/L							
Isophorone	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3/4-Methylphenol	ND	5.0	µg/L							
2-Nitroaniline	ND	5.0	µg/L							
3-Nitroaniline	ND	5.0	µg/L							
4-Nitroaniline	ND	5.0	µg/L							
Nitrobenzene	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	5.0	µg/L							
N-Nitrosodi-n-propylamine	ND	5.0	µg/L							
Pentachloronitrobenzene	ND	5.0	µg/L							
Phenol	ND	5.0	µg/L							
Pyridine	ND	2.5	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.5	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
Surrogate: 2-Fluorophenol	*92.4*		µg/L	200		46.2	15-110			
Surrogate: Phenol-d6	*68.2*		µg/L	200		34.1	15-110			
Surrogate: Nitrobenzene-d5	*70.0*		µg/L	100		70.0	30-130			
Surrogate: 2-Fluorobiphenyl	*68.0*		µg/L	100		68.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*83.9*		µg/L	100		83.9	15-110			
Surrogate: p-Terphenyl-d14	*84.2*		µg/L	100		84.2	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 B278352 - SW-846 3510C											
LCS (B278352-BS1)				Prepared & Analyzed: 03/19/21							
Aniline	42.3	5.0	µg/L	50.0		84.6	40-140			V-34	†
Bis(2-chloroethoxy)methane	44.5	10	µg/L	50.0		89.0	40-140				
Bis(2-chloroethyl)ether	43.6	10	µg/L	50.0		87.2	40-140				
Bis(2-chloroisopropyl)ether	44.9	10	µg/L	50.0		89.8	40-140				
4-Bromophenylphenylether	43.2	10	µg/L	50.0		86.5	40-140				
Butylbenzylphthalate	42.5	10	µg/L	50.0		85.0	40-140				
Carbazole	43.2	10	µg/L	50.0		86.5	40-140				
4-Chloroaniline	45.9	10	µg/L	50.0		91.8	40-140			V-34	†
4-Chloro-3-methylphenol	44.4	10	µg/L	50.0		88.8	30-130				
2-Chloronaphthalene	35.6	10	µg/L	50.0		71.3	40-140				
2-Chlorophenol	42.1	10	µg/L	50.0		84.2	30-130				
4-Chlorophenylphenylether	43.4	10	µg/L	50.0		86.7	40-140				
Dibenzofuran	44.3	5.0	µg/L	50.0		88.6	40-140				
Di-n-butylphthalate	43.3	10	µg/L	50.0		86.6	40-140				
3,3-Dichlorobenzidine	50.2	10	µg/L	50.0		100	40-140				†
2,4-Dichlorophenol	43.1	10	µg/L	50.0		86.2	30-130				
Diethylphthalate	43.9	10	µg/L	50.0		87.9	40-140				
2,4-Dimethylphenol	43.8	10	µg/L	50.0		87.6	30-130				
Dimethylphthalate	43.8	10	µg/L	50.0		87.6	40-140				
4,6-Dinitro-2-methylphenol	49.2	10	µg/L	50.0		98.3	30-130				
2,4-Dinitrophenol	48.4	10	µg/L	50.0		96.8	30-130				
2,4-Dinitrotoluene	47.0	10	µg/L	50.0		94.0	40-140				
2,6-Dinitrotoluene	48.7	10	µg/L	50.0		97.4	40-140				
Di-n-octylphthalate	40.3	10	µg/L	50.0		80.5	40-140				
Hexachlorobenzene	44.9	2.0	µg/L	50.0		89.7	40-140				
Hexachlorobutadiene	23.6	10	µg/L	50.0		47.3	40-140			R-05	
Hexachlorocyclopentadiene	31.4	10	µg/L	50.0		62.7	30-140				
Hexachloroethane	23.3	2.0	µg/L	50.0		46.6	40-140				
Isophorone	47.3	10	µg/L	50.0		94.6	40-140				
2-Methylphenol	40.5	10	µg/L	50.0		81.0	30-130				
3/4-Methylphenol	39.6	10	µg/L	50.0		79.1	30-130				
2-Nitroaniline	54.0	10	µg/L	50.0		108	40-140				
3-Nitroaniline	47.0	10	µg/L	50.0		93.9	40-140				†
4-Nitroaniline	46.5	10	µg/L	50.0		93.0	40-140				
Nitrobenzene	42.2	10	µg/L	50.0		84.3	40-140				
2-Nitrophenol	43.3	10	µg/L	50.0		86.5	30-130				
4-Nitrophenol	24.8	10	µg/L	50.0		49.6	10-130				
N-Nitrosodiphenylamine/Diphenylamine	49.2	10	µg/L	50.0		98.3	40-140				
N-Nitrosodi-n-propylamine	44.0	10	µg/L	50.0		87.9	40-140				
Pentachloronitrobenzene	48.6	10	µg/L	50.0		97.3	40-140				
Phenol	20.2	10	µg/L	50.0		40.4	20-130				
Pyridine	16.4	5.0	µg/L	50.0		32.8	10-140				†
1,2,4,5-Tetrachlorobenzene	38.3	10	µg/L	50.0		76.6	40-140				
1,2,4-Trichlorobenzene	29.1	5.0	µg/L	50.0		58.2	40-140				
2,4,5-Trichlorophenol	43.9	10	µg/L	50.0		87.7	30-130				
2,4,6-Trichlorophenol	44.2	10	µg/L	50.0		88.4	30-130				
Surrogate: 2-Fluorophenol	*124*		µg/L	200		62.2	15-110				
Surrogate: Phenol-d6	*92.7*		µg/L	200		46.4	15-110				
Surrogate: Nitrobenzene-d5	*91.0*		µg/L	100		91.0	30-130				
Surrogate: 2-Fluorobiphenyl	*89.8*		µg/L	100		89.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*105*		µg/L	100		105	15-110				
Surrogate: p-Terphenyl-d14	*98.5*		µg/L	100		98.5	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 B278352 - SW-846 3510C												
LCS Dup (B278352-BSD1)				Prepared & Analyzed: 03/19/21								
Aniline	37.1	5.0	µg/L	50.0		74.2	40-140	13.1		50	V-34	† ‡
Bis(2-chloroethoxy)methane	40.8	10	µg/L	50.0		81.6	40-140	8.67		20		
Bis(2-chloroethyl)ether	39.5	10	µg/L	50.0		79.1	40-140	9.77		20		
Bis(2-chloroisopropyl)ether	41.7	10	µg/L	50.0		83.4	40-140	7.41		20		
4-Bromophenylphenylether	40.6	10	µg/L	50.0		81.1	40-140	6.42		20		
Butylbenzylphthalate	39.3	10	µg/L	50.0		78.6	40-140	7.82		20		
Carbazole	39.1	10	µg/L	50.0		78.1	40-140	10.2		20		
4-Chloroaniline	40.4	10	µg/L	50.0		80.8	40-140	12.7		20	V-34	†
4-Chloro-3-methylphenol	40.5	10	µg/L	50.0		81.1	30-130	9.11		20		
2-Chloronaphthalene	33.4	10	µg/L	50.0		66.9	40-140	6.37		20		
2-Chlorophenol	38.1	10	µg/L	50.0		76.2	30-130	9.98		20		
4-Chlorophenylphenylether	39.2	10	µg/L	50.0		78.4	40-140	10.1		20		
Dibenzofuran	40.4	5.0	µg/L	50.0		80.8	40-140	9.30		20		
Di-n-butylphthalate	39.8	10	µg/L	50.0		79.5	40-140	8.57		20		
3,3-Dichlorobenzidine	44.5	10	µg/L	50.0		89.0	40-140	12.1		20		† ‡
2,4-Dichlorophenol	40.0	10	µg/L	50.0		80.0	30-130	7.46		20		
Diethylphthalate	39.6	10	µg/L	50.0		79.1	40-140	10.4		20		
2,4-Dimethylphenol	39.0	10	µg/L	50.0		78.0	30-130	11.5		20		
Dimethylphthalate	39.4	10	µg/L	50.0		78.9	40-140	10.4		50		
4,6-Dinitro-2-methylphenol	44.1	10	µg/L	50.0		88.2	30-130	10.8		50		
2,4-Dinitrophenol	43.2	10	µg/L	50.0		86.3	30-130	11.5		50		
2,4-Dinitrotoluene	42.5	10	µg/L	50.0		85.0	40-140	9.99		20		
2,6-Dinitrotoluene	43.1	10	µg/L	50.0		86.2	40-140	12.1		20		
Di-n-octylphthalate	39.0	10	µg/L	50.0		78.0	40-140	3.13		20		
Hexachlorobenzene	42.1	2.0	µg/L	50.0		84.2	40-140	6.37		20		
Hexachlorobutadiene	31.3	10	µg/L	50.0		62.7	40-140	**28.0**	*	20	R-05	
Hexachlorocyclopentadiene	33.8	10	µg/L	50.0		67.7	30-140	7.64		50		
Hexachloroethane	29.0	2.0	µg/L	50.0		58.0	40-140	21.8		50		
Isophorone	43.0	10	µg/L	50.0		86.0	40-140	9.61		20		
2-Methylphenol	36.4	10	µg/L	50.0		72.7	30-130	10.8		20		
3/4-Methylphenol	35.1	10	µg/L	50.0		70.1	30-130	12.0		20		
2-Nitroaniline	47.4	10	µg/L	50.0		94.7	40-140	13.1		20		
3-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140	12.8		20		†
4-Nitroaniline	41.3	10	µg/L	50.0		82.6	40-140	11.8		20		
Nitrobenzene	37.6	10	µg/L	50.0		75.2	40-140	11.5		20		
2-Nitrophenol	39.0	10	µg/L	50.0		77.9	30-130	10.5		20		
4-Nitrophenol	21.2	10	µg/L	50.0		42.3	10-130	15.8		50		‡
N-Nitrosodiphenylamine/Diphenylamine	45.0	10	µg/L	50.0		89.9	40-140	8.97		20		
N-Nitrosodi-n-propylamine	40.3	10	µg/L	50.0		80.7	40-140	8.61		20		
Pentachloronitrobenzene	44.3	10	µg/L	50.0		88.7	40-140	9.27		20		
Phenol	18.1	10	µg/L	50.0		36.1	20-130	11.2		20		
Pyridine	15.4	5.0	µg/L	50.0		30.8	10-140	6.22		50		†
1,2,4,5-Tetrachlorobenzene	36.8	10	µg/L	50.0		73.5	40-140	4.05		20		
1,2,4-Trichlorobenzene	33.7	5.0	µg/L	50.0		67.3	40-140	14.5		20		
2,4,5-Trichlorophenol	40.7	10	µg/L	50.0		81.4	30-130	7.50		20		
2,4,6-Trichlorophenol	39.8	10	µg/L	50.0		79.6	30-130	10.5		50		
Surrogate: 2-Fluorophenol	*112*		µg/L	200		56.1	15-110					
Surrogate: Phenol-d6	*82.6*		µg/L	200		41.3	15-110					
Surrogate: Nitrobenzene-d5	*81.9*		µg/L	100		81.9	30-130					
Surrogate: 2-Fluorobiphenyl	*80.0*		µg/L	100		80.0	30-130					
Surrogate: 2,4,6-Tribromophenol	*97.0*		µg/L	100		97.0	15-110					
Surrogate: p-Terphenyl-d14	*91.2*		µg/L	100		91.2	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 B278445 - SW-846 3510C											
Blank (B278445-BLK1)				Prepared: 03/19/21 Analyzed: 03/22/21							
Acenaphthene (SIM)	ND	0.15	µg/L								
Acenaphthylene (SIM)	ND	0.15	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								
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.50	µg/L								
Chrysene (SIM)	ND	0.10	µg/L								
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L								
Fluoranthene (SIM)	ND	0.25	µg/L								
Fluorene (SIM)	ND	0.50	µg/L								
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L								
2-Methylnaphthalene (SIM)	ND	0.50	µg/L								
Naphthalene (SIM)	ND	0.50	µg/L								
Pentachlorophenol (SIM)	ND	0.50	µg/L								
Phenanthrene (SIM)	ND	0.025	µg/L								
Pyrene (SIM)	ND	0.50	µg/L								
Surrogate: 2-Fluorophenol (SIM)	*107*		µg/L	200		53.5		15-110			
Surrogate: Phenol-d6 (SIM)	*73.6*		µg/L	200		36.8		15-110			
Surrogate: Nitrobenzene-d5	*86.3*		µg/L	100		86.3		30-130			
Surrogate: 2-Fluorobiphenyl	*84.7*		µg/L	100		84.7		30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*118*		µg/L	100		**118**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*89.1*		µg/L	100		89.1		30-130			
LCS (B278445-BS1)				Prepared: 03/19/21 Analyzed: 03/22/21							
Acenaphthene (SIM)	37.6	6.0	µg/L	50.0		75.3		40-140			
Acenaphthylene (SIM)	37.4	6.0	µg/L	50.0		74.8		40-140			
Anthracene (SIM)	38.9	4.0	µg/L	50.0		77.8		40-140			
Benzo(a)anthracene (SIM)	37.0	1.0	µg/L	50.0		74.0		40-140			
Benzo(a)pyrene (SIM)	34.4	2.0	µg/L	50.0		68.8		40-140			
Benzo(b)fluoranthene (SIM)	39.7	1.0	µg/L	50.0		79.4		40-140			
Benzo(g,h,i)perylene (SIM)	34.4	10	µg/L	50.0		68.8		40-140			
Benzo(k)fluoranthene (SIM)	40.4	4.0	µg/L	50.0		80.7		40-140			
Bis(2-ethylhexyl)phthalate (SIM)	42.3	20	µg/L	50.0		84.7		40-140			
Chrysene (SIM)	35.0	4.0	µg/L	50.0		70.1		40-140			
Dibenz(a,h)anthracene (SIM)	34.1	4.0	µg/L	50.0		68.2		40-140			
Fluoranthene (SIM)	35.4	10	µg/L	50.0		70.8		40-140			
Fluorene (SIM)	37.4	20	µg/L	50.0		74.8		40-140			
Indeno(1,2,3-cd)pyrene (SIM)	34.8	4.0	µg/L	50.0		69.6		40-140			
2-Methylnaphthalene (SIM)	35.0	20	µg/L	50.0		70.1		40-140			
Naphthalene (SIM)	28.5	20	µg/L	50.0		57.0		40-140			
Pentachlorophenol (SIM)	36.2	20	µg/L	50.0		72.4		40-140			
Phenanthrene (SIM)	37.2	1.0	µg/L	50.0		74.4		40-140			
Pyrene (SIM)	35.7	20	µg/L	50.0		71.3		40-140			
Surrogate: 2-Fluorophenol (SIM)	*98.5*		µg/L	200		49.3		15-110			
Surrogate: Phenol-d6 (SIM)	*69.1*		µg/L	200		34.5		15-110			
Surrogate: Nitrobenzene-d5	*75.2*		µg/L	100		75.2		30-130			
Surrogate: 2-Fluorobiphenyl	*76.9*		µg/L	100		76.9		30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*84.2*		µg/L	100		84.2		15-110			
Surrogate: p-Terphenyl-d14	*64.9*		µg/L	100		64.9		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 B278445 - SW-846 3510C										
LCS Dup (B278445-BSD1)				Prepared: 03/19/21 Analyzed: 03/22/21						
Acenaphthene (SIM)	38.3	6.0	µg/L	50.0		76.6	40-140	1.69	20	
Acenaphthylene (SIM)	38.2	6.0	µg/L	50.0		76.4	40-140	2.12	20	
Anthracene (SIM)	38.4	4.0	µg/L	50.0		76.7	40-140	1.35	20	
Benzo(a)anthracene (SIM)	36.6	1.0	µg/L	50.0		73.3	40-140	1.03	20	
Benzo(a)pyrene (SIM)	34.0	2.0	µg/L	50.0		67.9	40-140	1.23	20	
Benzo(b)fluoranthene (SIM)	39.1	1.0	µg/L	50.0		78.2	40-140	1.47	20	
Benzo(g,h,i)perylene (SIM)	35.0	10	µg/L	50.0		69.9	40-140	1.67	20	
Benzo(k)fluoranthene (SIM)	40.3	4.0	µg/L	50.0		80.5	40-140	0.248	20	
Bis(2-ethylhexyl)phthalate (SIM)	39.6	20	µg/L	50.0		79.2	40-140	6.64	20	
Chrysene (SIM)	34.6	4.0	µg/L	50.0		69.3	40-140	1.15	20	
Dibenz(a,h)anthracene (SIM)	34.4	4.0	µg/L	50.0		68.7	40-140	0.760	20	
Fluoranthene (SIM)	34.9	10	µg/L	50.0		69.8	40-140	1.37	20	
Fluorene (SIM)	37.4	20	µg/L	50.0		74.8	40-140	0.0535	20	
Indeno(1,2,3-cd)pyrene (SIM)	35.3	4.0	µg/L	50.0		70.6	40-140	1.43	20	‡
2-Methylnaphthalene (SIM)	37.6	20	µg/L	50.0		75.2	40-140	7.00	20	
Naphthalene (SIM)	32.6	20	µg/L	50.0		65.1	40-140	13.3	20	
Pentachlorophenol (SIM)	35.2	20	µg/L	50.0		70.4	40-140	2.91	20	
Phenanthrene (SIM)	37.1	1.0	µg/L	50.0		74.2	40-140	0.215	20	
Pyrene (SIM)	35.0	20	µg/L	50.0		69.9	40-140	1.98	20	
Surrogate: 2-Fluorophenol (SIM)	*96.1*		µg/L	200		48.0	15-110			
Surrogate: Phenol-d6 (SIM)	*67.5*		µg/L	200		33.8	15-110			
Surrogate: Nitrobenzene-d5	*74.9*		µg/L	100		74.9	30-130			
Surrogate: 2-Fluorobiphenyl	*77.4*		µg/L	100		77.4	30-130			
Surrogate: 2,4,6-Tribromophenol (SIM)	*84.1*		µg/L	100		84.1	15-110			
Surrogate: p-Terphenyl-d14	*65.1*		µg/L	100		65.1	30-130			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B278367 - SW-846 7470A Dissolved										
Blank (B278367-BLK1)				Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	ND	0.00010	mg/L							
LCS (B278367-BS1)				Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	0.00425	0.00010	mg/L	0.00400		106	80-120			
LCS Dup (B278367-BSD1)				Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	0.00418	0.00010	mg/L	0.00400		104	80-120	1.73	20	
Duplicate (B278367-DUP1)		**Source: 21C0981-01**		Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B278367-MS1)		**Source: 21C0981-01**		Prepared: 03/19/21 Analyzed: 03/23/21						
Mercury	0.00390	0.00010	mg/L	0.00400	ND	97.6	75-125			
Batch B278381 - SW-846 3005A Dissolved										
Blank (B278381-BLK1)				Prepared: 03/19/21 Analyzed: 03/20/21						
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 (B278381-BS1)				Prepared: 03/19/21 Analyzed: 03/20/21						
Antimony	470	10	µg/L	500		94.0	80-120			
Arsenic	474	8.0	µg/L	500		94.7	80-120			
Barium	467	100	µg/L	500		93.4	80-120			
Beryllium	439	4.0	µg/L	500		87.8	80-120			
Cadmium	464	2.0	µg/L	500		92.7	80-120			
Chromium	482	10	µg/L	500		96.5	80-120			
Copper	960	10	µg/L	1000		96.0	80-120			
Lead	467	5.0	µg/L	500		93.5	80-120			
Nickel	472	50	µg/L	500		94.5	80-120			
Selenium	481	50	µg/L	500		96.2	80-120			
Silver	433	2.0	µg/L	500		86.7	80-120			
Thallium	481	2.0	µg/L	500		96.3	80-120			
Vanadium	473	50	µg/L	500		94.7	80-120			
Zinc	918	100	µg/L	1000		91.8	80-120			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B278381 - SW-846 3005A Dissolved										
LCS Dup (B278381-BSD1)				Prepared: 03/19/21 Analyzed: 03/20/21						
Antimony	495	10	µg/L	500		99.0	80-120	5.24	20	
Arsenic	495	8.0	µg/L	500		99.1	80-120	4.51	20	
Barium	504	100	µg/L	500		101	80-120	7.70	20	
Beryllium	460	4.0	µg/L	500		91.9	80-120	4.52	20	
Cadmium	487	2.0	µg/L	500		97.3	80-120	4.83	20	
Chromium	511	10	µg/L	500		102	80-120	5.80	20	
Copper	998	10	µg/L	1000		99.8	80-120	3.86	20	
Lead	497	5.0	µg/L	500		99.4	80-120	6.12	20	
Nickel	491	50	µg/L	500		98.1	80-120	3.78	20	
Selenium	503	50	µg/L	500		101	80-120	4.50	20	
Silver	456	2.0	µg/L	500		91.1	80-120	4.99	20	
Thallium	517	2.0	µg/L	500		103	80-120	7.09	20	
Vanadium	500	50	µg/L	500		100	80-120	5.50	20	
Zinc	969	100	µg/L	1000		96.9	80-120	5.43	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side 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,NC,ME,VA
Barium	MA,NY,CT,NC,NH,ME,VA
Beryllium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,NC,ME,VA
Copper	CT,NH,NY,NC,ME,VA
Lead	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,NC,ME,VA
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,NC,ME,VA
Zinc	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8270D-E in Soil	
Aniline	NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Soil	
3/4-Methylphenol	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D-E in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Water	
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
2-Fluorophenol	NC,VA
Phenol-d6	VA
Nitrobenzene-d5	VA

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	04/1/2021
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	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21C0481

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
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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 LLC
Address: 58 Connecticut Ave, South Windsor
Phone: 860-282-1700
Project Name: Eversource Energy, Wethersfield
Project Location: Wethersfield, CT
Project Number: 6089-015A
Project Manager: Don Wilson
Con-Test Quote Name/Number: 6089-015A
Invoice Recipient: Apex Companies LLC
Sampled By: M. Ludwig

Requested Turnaround Time: 5-Day ✓ | 10-Day | PFAS 10-Day (std) | Due Date:
Rush Approval Required: 1-Day | 2-Day | 3-Day | 4-Day
Data Delivery: Format: PDF ✓ EXCEL | Other: | CLP Like Data Pkg Required: | Email To: dwilson@apexcos.com | Fax To #:
Receiving Filtered Samples: Field Filtered | Lab to Filter
Orthophosphate Samples: 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	J	N	SVOCs (SIMs for PAHs)	RSR Metals
1	AP-3R Filtered	3/17/21	11:50	Grab	GW	U		2	1			X		X	
2	AP-15R-BR Filtered	3/18/21	9:25	Grab	GW	U		2	1			X		X	

[2] Preservation Code

Cooler Use Only
Total Number Of:
VIALS 4
GLASS 4
PLASTIC 2
BACTERIA
ENCORE

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

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

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

	Date/Time
Relinquished by: (signature)	3/18/21
Received by: (signature)	3/18/21 6:58
Relinquished by: (signature)	3/18/21 7:45
Received by: (signature)	3/18/21 1945
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:
*Bis(2-Ethylhexyl)phthalate need to be below 2ug/L

Regulatory Requirements:
MA MCP Required
MCP Certification Form Required
CT RCP Required
RCP Certification Form Required
MA State DW Required
NELAC and AIHA-LAP, LLC Accredited

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

PWSID #

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.

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

Received By [signature] Date 3/18/21 Time 1945

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 - 3.3
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? ____
Are there Rushes? F Who was notified? ____
Are there Short Holds? F Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? n/a MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? Acid T Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	4	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic	2	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: Wethersfield, CT

Project Number: 21C0981

Laboratory Sample ID(s):

21C0981-01 thru 21C0981-02

Sample Date(s):

03/17/2021,
03/18/2021

List RCP Methods Used:

, , SW-846 6020B, SW-846 7470A, 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:** **03/25/21**

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

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

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July 1, 2021

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

Project Location: Wethersfield, CT
Client Job Number:
Project Number: 6089-015.2021
Laboratory Work Order Number: 21F1584

Enclosed are results of analyses for samples received by the laboratory on June 24, 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: Don Wilson

REPORT DATE: 7/1/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015.2021

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21F1584

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

PROJECT LOCATION: Wethersfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB20210623	21F1584-01	Trip Blank Water		SW-846 8260C-D	
AP-12R	21F1584-02	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
AP-3R	21F1584-03	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
AP-11R	21F1584-04	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
DUP20210623	21F1584-05	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
TB20210624	21F1584-06	Trip Blank Water		SW-846 8260C-D	
AP-6R	21F1584-07	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260C-D	
				SW-846 8270D-E	
AP-15R-BR	21F1584-08	Ground Water		MADEP EPH rev 2.1	
				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 a select list of PAHs was analyzed and reported in order to achieve lower detection limits than possible with EPH analysis.

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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:

Chloromethane
B284771-BS1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Chloromethane
B284771-MS1, B284771-MSD1

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:

Chloromethane
21F1584-01[TB20210623], 21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-06[TB20210624], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284771-BLK1, B284771-BS1, S060976-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Acetone
B284771-BS1, B284771-MS1, B284771-MSD1, S060976-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
21F1584-01[TB20210623], 21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-06[TB20210624], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284771-BLK1, B284771-BS1, B284771-MS1, B284771-MSD1, S060976-CCV1

Chloromethane
21F1584-01[TB20210623], 21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-06[TB20210624], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284771-BLK1, B284771-BS1, B284771-MS1, B284771-MSD1, S060976-CCV1

SW-846 8270D-E

Qualifications:

L-04

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

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284831-BLK1, B284831-BS1, B284831-BSD1, B284831-MS1, B284831-MSD1

Hexachloroethane
21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284831-BLK1, B284831-BS1, B284831-BSD1, B284831-MS1, B284831-MSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
21F1584-08[AP-15R-BR], B284831-MS1, B284831-MSD1

Hexachlorocyclopentadiene
21F1584-08[AP-15R-BR], B284831-MS1, B284831-MSD1

Hexachloroethane
21F1584-08[AP-15R-BR], B284831-MS1, B284831-MSD1

Pyridine
21F1584-08[AP-15R-BR], B284831-MS1, B284831-MSD1

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MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Acenaphthene (SIM)
B284910-MS1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21F1584-08[AP-15R-BR], B284831-MS1, B284831-MSD1

Pentachlorophenol
21F1584-08[AP-15R-BR], B284831-MS1, B284831-MSD1

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR]

Pentachlorophenol
21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

p-Terphenyl-d14
B284831-BLK1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B284831-BS1, B284831-BSD1, B284831-MS1, B284831-MSD1, S061040-CCV1, S061085-CCV1

2,4-Dinitrotoluene
S061085-CCV1

2,6-Dinitrotoluene
S061085-CCV1

2-Nitroaniline
S061085-CCV1

4,6-Dinitro-2-methylphenol
B284831-BS1, B284831-BSD1, B284831-MS1, B284831-MSD1, S061040-CCV1, S061085-CCV1

4-Nitrophenol
S061085-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284831-BLK1

2,4-Dinitrotoluene
21F1584-02[AP-12R]

2,6-Dinitrotoluene
21F1584-02[AP-12R]

2-Nitroaniline
21F1584-02[AP-12R]

4,6-Dinitro-2-methylphenol
21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284831-BLK1

4-Nitrophenol
21F1584-02[AP-12R]

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V-34

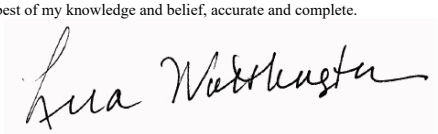
Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

21F1584-02[AP-12R], 21F1584-03[AP-3R], 21F1584-04[AP-11R], 21F1584-05[DUP20210623], 21F1584-07[AP-6R], 21F1584-08[AP-15R-BR], B284831-BLK1, B284831-BS1, B284831-BSD1, B284831-MS1, B284831-MSD1, S061040-CCV1

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



Lisa A. Worthington
Technical Representative

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21F1584
Date Received: 6/24/2021
Field Sample #: TB20210623
Sampled: 6/23/2021 07:30
Sample ID: 21F1584-01
Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: TB20210623 | Sampled: 6/23/2021 07:30

Sample ID: 21F1584-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 9:58	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	97.2	70-130		6/25/21	9:58
Toluene-d8	92.8	70-130		6/25/21	9:58
4-Bromofluorobenzene	94.2	70-130		6/25/21	9:58

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-12R | Sampled: 6/23/2021 08:00

Sample ID: 21F1584-02

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	6/25/21	6/25/21 10:50	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-12R | Sampled: 6/23/2021 08:00

Sample ID: 21F1584-02

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	6/25/21	6/25/21 10:50	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:50	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.1	70-130		6/25/21 10:50
Toluene-d8	92.9	70-130		6/25/21 10:50
4-Bromofluorobenzene	95.9	70-130		6/25/21 10:50

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-12R | Sampled: 6/23/2021 08:00

Sample ID: 21F1584-02

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	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Acenaphthene (SIM)	ND	0.28	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Acenaphthylene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Acenaphthylene (SIM)	ND	0.18	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Aniline	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Anthracene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Anthracene (SIM)	0.32	0.18	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Benzo(a)anthracene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Benzo(a)anthracene (SIM)	0.16	0.046	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Benzo(a)pyrene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Benzo(a)pyrene (SIM)	0.14	0.092	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Benzo(b)fluoranthene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Benzo(b)fluoranthene (SIM)	0.21	0.046	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Benzo(g,h,i)perylene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Benzo(g,h,i)perylene (SIM)	ND	0.46	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Benzo(k)fluoranthene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Benzo(k)fluoranthene (SIM)	ND	0.18	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Bis(2-chloroethoxy)methane	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Bis(2-chloroethyl)ether	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Bis(2-chloroisopropyl)ether	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.92	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Bis(2-Ethylhexyl)phthalate	ND	1.8	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
4-Bromophenylphenylether	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Butylbenzylphthalate	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Carbazole	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
4-Chloroaniline	ND	9.2	µg/L	1	V-34	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
4-Chloro-3-methylphenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2-Chloronaphthalene	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2-Chlorophenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
4-Chlorophenylphenylether	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Chrysene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Chrysene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Chrysene (SIM)	ND	0.18	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Dibenz(a,h)anthracene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Dibenz(a,h)anthracene (SIM)	ND	0.092	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Dibenzofuran	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Di-n-butylphthalate	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-12R | Sampled: 6/23/2021 08:00

Sample ID: 21F1584-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
3,3-Dichlorobenzidine	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2,4-Dichlorophenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Diethylphthalate	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2,4-Dimethylphenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Dimethylphthalate	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
4,6-Dinitro-2-methylphenol	ND	9.2	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2,4-Dinitrophenol	ND	9.2	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2,4-Dinitrotoluene	ND	9.2	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2,6-Dinitrotoluene	ND	9.2	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Di-n-octylphthalate	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Fluoranthene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Fluoranthene (SIM)	0.70	0.46	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Fluorene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Fluorene (SIM)	ND	0.92	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Hexachlorobenzene	ND	1.8	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Hexachlorobutadiene	ND	9.2	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Hexachlorocyclopentadiene	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Hexachloroethane	ND	1.8	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Indeno(1,2,3-cd)pyrene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Indeno(1,2,3-cd)pyrene (SIM)	0.11	0.092	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Isophorone	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2-Methylnaphthalene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2-Methylnaphthalene (SIM)	ND	0.92	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
2-Methylphenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
3/4-Methylphenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Naphthalene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Naphthalene (SIM)	ND	0.92	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
2-Nitroaniline	ND	9.2	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
3-Nitroaniline	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
4-Nitroaniline	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Nitrobenzene	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2-Nitrophenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
4-Nitrophenol	ND	9.2	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
N-Nitrosodi-n-propylamine	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Pentachloronitrobenzene	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Pentachlorophenol	ND	4.6	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Phenanthrene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Phenanthrene (SIM)	0.56	0.046	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM
Phenanthrene (SIM)	0.80	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:16	SFM
Phenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Pyrene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
Pyrene (SIM)	ND	0.92	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:09	SFM

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-12R | Sampled: 6/23/2021 08:00

Sample ID: 21F1584-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pyridine	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
1,2,4-Trichlorobenzene	ND	4.6	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2,4,5-Trichlorophenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL
2,4,6-Trichlorophenol	ND	9.2	µg/L	1		SW-846 8270D-E	6/25/21	6/29/21 13:42	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.5	15-110		6/29/21 13:42
Phenol-d6	50.9	15-110		6/29/21 13:42
Nitrobenzene-d5	59.7	30-130		6/29/21 13:09
Nitrobenzene-d5	64.6	30-130		6/29/21 13:42
2-Fluorobiphenyl	50.4	30-130		6/29/21 13:09
2-Fluorobiphenyl	61.7	30-130		6/29/21 13:42
2,4,6-Tribromophenol	71.0	15-110		6/29/21 13:42
p-Terphenyl-d14	67.9	30-130		6/29/21 13:09
p-Terphenyl-d14	88.5	30-130		6/29/21 13:42
o-Terphenyl (OTP)	99.2	30-130		6/29/21 11:16

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-12R | Sampled: 6/23/2021 08:00

Sample ID: 21F1584-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
Unadjusted C11-C22 Aromatics	100	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
C11-C22 Aromatics	100	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 21:48	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	77.6	40-140		6/29/21 21:48
o-Terphenyl (OTP)	90.5	40-140		6/29/21 21:48
2-Bromonaphthalene	137	40-140		6/29/21 21:48
2-Fluorobiphenyl	135	40-140		6/29/21 21:48

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21F1584
Date Received: 6/24/2021
Field Sample #: AP-12R
Sampled: 6/23/2021 08:00
Sample ID: 21F1584-02
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:22	QNW
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Barium	210	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Cadmium	0.036	0.20	0.027	µg/L	1	J	SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Copper	4.6	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Lead	1.1	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:31	CJV
Nickel	5.6	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW
Zinc	60	10	3.4	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:20	QNW

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-3R | Sampled: 6/23/2021 09:50

Sample ID: 21F1584-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-3R | Sampled: 6/23/2021 09:50

Sample ID: 21F1584-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:16	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		6/25/21 11:16
Toluene-d8	93.9	70-130		6/25/21 11:16
4-Bromofluorobenzene	94.5	70-130		6/25/21 11:16

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-3R | Sampled: 6/23/2021 09:50

Sample ID: 21F1584-03

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	0.30	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Aniline	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Chrysene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-3R | Sampled: 6/23/2021 09:50

Sample ID: 21F1584-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Hexachlorobutadiene	ND	10	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Hexachloroethane	ND	2.0	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Pentachlorophenol	ND	5.1	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 11:39	SFM
Phenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 17:45	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.1	15-110		6/28/21 19:03
Phenol-d6	36.6	15-110		6/28/21 19:03
Nitrobenzene-d5	74.1	30-130		6/28/21 19:03
Nitrobenzene-d5	66.9	30-130		6/28/21 17:45
2-Fluorobiphenyl	75.4	30-130		6/28/21 19:03
2-Fluorobiphenyl	57.9	30-130		6/28/21 17:45
2,4,6-Tribromophenol	77.7	15-110		6/28/21 19:03
p-Terphenyl-d14	107	30-130		6/28/21 19:03
p-Terphenyl-d14	77.0	30-130		6/28/21 17:45
o-Terphenyl (OTP)	93.1	30-130		6/29/21 11:39

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-3R | Sampled: 6/23/2021 09:50

Sample ID: 21F1584-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:08	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	74.2	40-140		6/29/21 22:08
o-Terphenyl (OTP)	85.4	40-140		6/29/21 22:08
2-Bromonaphthalene	123	40-140		6/29/21 22:08
2-Fluorobiphenyl	118	40-140		6/29/21 22:08

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Date Received: 6/24/2021

Field Sample #: AP-3R | Sampled: 6/23/2021 09:50

Sample ID: 21F1584-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:25	QNW
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Barium	190	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Copper	2.5	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:33	CJV
Nickel	5.3	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:23	QNW
Zinc	5.3	10	3.4	µg/L	1	J	SW-846 6020B	6/29/21	7/1/21 14:23	QNW

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-11R | Sampled: 6/23/2021 12:45

Sample ID: 21F1584-04

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	6/25/21	6/25/21 11:43	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-11R | Sampled: 6/23/2021 12:45

Sample ID: 21F1584-04

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	6/25/21	6/25/21 11:43	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 11:43	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.3	70-130		6/25/21 11:43
Toluene-d8	93.5	70-130		6/25/21 11:43
4-Bromofluorobenzene	93.7	70-130		6/25/21 11:43

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-11R | Sampled: 6/23/2021 12:45

Sample ID: 21F1584-04

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	0.30	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Aniline	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Benzo(g,h,i)perylene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Chrysene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-11R | Sampled: 6/23/2021 12:45

Sample ID: 21F1584-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Hexachlorobutadiene	ND	10	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Hexachloroethane	ND	2.0	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Pentachlorophenol	ND	5.1	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:01	SFM
Phenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:08	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:31	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	39.7	15-110		6/28/21	19:31
Phenol-d6	35.5	15-110		6/28/21	19:31
Nitrobenzene-d5	66.2	30-130		6/28/21	18:08
Nitrobenzene-d5	71.0	30-130		6/28/21	19:31
2-Fluorobiphenyl	70.4	30-130		6/28/21	19:31
2-Fluorobiphenyl	54.3	30-130		6/28/21	18:08
2,4,6-Tribromophenol	76.7	15-110		6/28/21	19:31
p-Terphenyl-d14	76.7	30-130		6/28/21	18:08
p-Terphenyl-d14	109	30-130		6/28/21	19:31
o-Terphenyl (OTP)	88.8	30-130		6/29/21	12:01

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-11R | Sampled: 6/23/2021 12:45

Sample ID: 21F1584-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
C19-C36 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
Unadjusted C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:28	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	63.8	40-140		6/29/21 22:28
o-Terphenyl (OTP)	78.1	40-140		6/29/21 22:28
2-Bromonaphthalene	121	40-140		6/29/21 22:28
2-Fluorobiphenyl	124	40-140		6/29/21 22:28

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-11R | Sampled: 6/23/2021 12:45

Sample ID: 21F1584-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:28	QNW
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Barium	100	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Chromium	1.4	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Copper	1.3	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:39	CJV
Nickel	5.7	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW
Zinc	ND	10	3.4	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:27	QNW

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: DUP20210623 | Sampled: 6/23/2021 00:00

Sample ID: 21F1584-05

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	6/25/21	6/25/21 12:09	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: DUP20210623 | Sampled: 6/23/2021 00:00

Sample ID: 21F1584-05

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	6/25/21	6/25/21 12:09	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:09	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.1	70-130		6/25/21 12:09
Toluene-d8	94.0	70-130		6/25/21 12:09
4-Bromofluorobenzene	94.4	70-130		6/25/21 12:09

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: DUP20210623 | Sampled: 6/23/2021 00:00

Sample ID: 21F1584-05

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	6/25/21	6/28/21 18:30	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Aniline	ND	5.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Chrysene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: DUP20210623 | Sampled: 6/23/2021 00:00

Sample ID: 21F1584-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Hexachlorobutadiene	ND	10	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Hexachloroethane	ND	2.0	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:24	SFM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Phenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:30	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	37.3	15-110		6/28/21	19:58
Phenol-d6	34.1	15-110		6/28/21	19:58
Nitrobenzene-d5	71.3	30-130		6/28/21	19:58
Nitrobenzene-d5	63.8	30-130		6/28/21	18:30
2-Fluorobiphenyl	56.5	30-130		6/28/21	18:30
2-Fluorobiphenyl	71.4	30-130		6/28/21	19:58
2,4,6-Tribromophenol	76.2	15-110		6/28/21	19:58
p-Terphenyl-d14	109	30-130		6/28/21	19:58
p-Terphenyl-d14	73.8	30-130		6/28/21	18:30
o-Terphenyl (OTP)	96.7	30-130		6/29/21	12:24

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: DUP20210623 | Sampled: 6/23/2021 00:00

Sample ID: 21F1584-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 22:49	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	72.4	40-140		6/29/21 22:49
o-Terphenyl (OTP)	91.5	40-140		6/29/21 22:49
2-Bromonaphthalene	132	40-140		6/29/21 22:49
2-Fluorobiphenyl	130	40-140		6/29/21 22:49

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: DUP20210623 | Sampled: 6/23/2021 00:00

Sample ID: 21F1584-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Barium	190	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Copper	2.4	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:41	CJV
Nickel	5.4	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:30	QNW
Zinc	4.0	10	3.4	µg/L	1	J	SW-846 6020B	6/29/21	7/1/21 14:30	QNW

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: TB20210624 | Sampled: 6/24/2021 07:30

Sample ID: 21F1584-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: TB20210624 | Sampled: 6/24/2021 07:30

Sample ID: 21F1584-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 10:24	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.3	70-130		6/25/21 10:24
Toluene-d8	93.5	70-130		6/25/21 10:24
4-Bromofluorobenzene	93.7	70-130		6/25/21 10:24

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-6R | Sampled: 6/24/2021 08:40

Sample ID: 21F1584-07

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	6/25/21	6/25/21 12:35	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-6R | Sampled: 6/24/2021 08:40

Sample ID: 21F1584-07

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	6/25/21	6/25/21 12:35	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 12:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		6/25/21 12:35
Toluene-d8	93.9	70-130		6/25/21 12:35
4-Bromofluorobenzene	94.3	70-130		6/25/21 12:35

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-6R | Sampled: 6/24/2021 08:40

Sample ID: 21F1584-07

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 (SIM)	ND	0.30	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Aniline	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Chrysene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-6R | Sampled: 6/24/2021 08:40

Sample ID: 21F1584-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Hexachlorobutadiene	ND	10	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Hexachloroethane	ND	2.0	µg/L	1	L-04	SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Pentachlorophenol	ND	5.1	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/28/21	6/29/21 12:47	SFM
Phenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 18:53	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	49.5	15-110		6/28/21 20:25
Phenol-d6	43.1	15-110		6/28/21 20:25
Nitrobenzene-d5	76.0	30-130		6/28/21 18:53
Nitrobenzene-d5	87.6	30-130		6/28/21 20:25
2-Fluorobiphenyl	83.6	30-130		6/28/21 20:25
2-Fluorobiphenyl	65.2	30-130		6/28/21 18:53
2,4,6-Tribromophenol	85.6	15-110		6/28/21 20:25
p-Terphenyl-d14	88.6	30-130		6/28/21 18:53
p-Terphenyl-d14	126	30-130		6/28/21 20:25
o-Terphenyl (OTP)	82.0	30-130		6/29/21 12:47

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-6R | Sampled: 6/24/2021 08:40

Sample ID: 21F1584-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/29/21 23:09	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	74.3	40-140		6/29/21 23:09
o-Terphenyl (OTP)	90.5	40-140		6/29/21 23:09
2-Bromonaphthalene	139	40-140		6/29/21 23:09
2-Fluorobiphenyl	138	40-140		6/29/21 23:09

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-6R | Sampled: 6/24/2021 08:40

Sample ID: 21F1584-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Arsenic	1.1	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Barium	180	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Chromium	1.4	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Copper	1.9	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:43	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:33	QNW
Zinc	3.5	10	3.4	µg/L	1	J	SW-846 6020B	6/29/21	7/1/21 14:33	QNW

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-15R-BR | Sampled: 6/24/2021 10:20

Sample ID: 21F1584-08

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	6/25/21	6/25/21 13:01	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-15R-BR | Sampled: 6/24/2021 10:20

Sample ID: 21F1584-08

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	6/25/21	6/25/21 13:01	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C-D	6/25/21	6/25/21 13:01	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		6/25/21 13:01
Toluene-d8	93.4	70-130		6/25/21 13:01
4-Bromofluorobenzene	95.2	70-130		6/25/21 13:01

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-15R-BR | Sampled: 6/24/2021 10:20

Sample ID: 21F1584-08

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	0.30	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Aniline	ND	5.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Chrysene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Dibenz(a,h)anthracene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1	V-20	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	R-06, V-20	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-15R-BR | Sampled: 6/24/2021 10:20

Sample ID: 21F1584-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Hexachlorobutadiene	ND	10	µg/L	1	L-04, MS-09	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	MS-09	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Hexachloroethane	ND	2.0	µg/L	1	L-04, MS-09	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Isophorone	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Pentachlorophenol	ND	5.0	µg/L	1	R-06, RL-03	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270D-E	6/28/21	6/30/21 12:42	SFM
Phenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 19:16	IMR
Pyridine	ND	5.0	µg/L	1	MS-09	SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D-E	6/25/21	6/28/21 20:53	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.7	15-110		6/28/21 20:53
Phenol-d6	37.0	15-110		6/28/21 20:53
Nitrobenzene-d5	63.4	30-130		6/28/21 19:16
Nitrobenzene-d5	69.7	30-130		6/28/21 20:53
2-Fluorobiphenyl	69.4	30-130		6/28/21 20:53
2-Fluorobiphenyl	51.7	30-130		6/28/21 19:16
2,4,6-Tribromophenol	75.0	15-110		6/28/21 20:53
p-Terphenyl-d14	80.4	30-130		6/28/21 19:16
p-Terphenyl-d14	111	30-130		6/28/21 20:53
o-Terphenyl (OTP)	89.6	30-130		6/30/21 12:42

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-15R-BR | Sampled: 6/24/2021 10:20

Sample ID: 21F1584-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	96	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
C19-C36 Aliphatics	ND	96	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
Unadjusted C11-C22 Aromatics	ND	96	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
C11-C22 Aromatics	ND	96	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	6/28/21	6/30/21 22:28	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	64.8	40-140		6/30/21 22:28
o-Terphenyl (OTP)	67.3	40-140		6/30/21 22:28
2-Bromonaphthalene	99.2	40-140		6/30/21 22:28
2-Fluorobiphenyl	99.8	40-140		6/30/21 22:28

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1584

Date Received: 6/24/2021

Field Sample #: AP-15R-BR | Sampled: 6/24/2021 10:20

Sample ID: 21F1584-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	1.4	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:19	QNW
Arsenic	3.3	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Barium	360	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Chromium	1.0	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Copper	3.0	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:26	CJV
Nickel	5.4	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW
Zinc	56	10	3.4	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:17	QNW

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1584-02 [AP-12R]	B284911	1000	2.00	06/28/21
21F1584-03 [AP-3R]	B284911	1000	2.00	06/28/21
21F1584-04 [AP-11R]	B284911	980	1.90	06/28/21
21F1584-05 [DUP20210623]	B284911	1000	2.00	06/28/21
21F1584-07 [AP-6R]	B284911	1000	2.00	06/28/21
21F1584-08 [AP-15R-BR]	B284911	990	1.90	06/28/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1584-02 [AP-12R]	B284972	50.0	50.0	06/29/21
21F1584-03 [AP-3R]	B284972	50.0	50.0	06/29/21
21F1584-04 [AP-11R]	B284972	50.0	50.0	06/29/21
21F1584-05 [DUP20210623]	B284972	50.0	50.0	06/29/21
21F1584-07 [AP-6R]	B284972	50.0	50.0	06/29/21
21F1584-08 [AP-15R-BR]	B284972	50.0	50.0	06/29/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1584-02 [AP-12R]	B284762	6.00	6.00	06/25/21
21F1584-03 [AP-3R]	B284762	6.00	6.00	06/25/21
21F1584-04 [AP-11R]	B284762	6.00	6.00	06/25/21
21F1584-05 [DUP20210623]	B284762	6.00	6.00	06/25/21
21F1584-07 [AP-6R]	B284762	6.00	6.00	06/25/21
21F1584-08 [AP-15R-BR]	B284762	6.00	6.00	06/25/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1584-01 [TB20210623]	B284771	5	5.00	06/25/21
21F1584-02 [AP-12R]	B284771	5	5.00	06/25/21
21F1584-03 [AP-3R]	B284771	5	5.00	06/25/21
21F1584-04 [AP-11R]	B284771	5	5.00	06/25/21
21F1584-05 [DUP20210623]	B284771	5	5.00	06/25/21
21F1584-06 [TB20210624]	B284771	5	5.00	06/25/21
21F1584-07 [AP-6R]	B284771	5	5.00	06/25/21
21F1584-08 [AP-15R-BR]	B284771	5	5.00	06/25/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1584-02 [AP-12R]	B284831	650	0.600	06/25/21
21F1584-03 [AP-3R]	B284831	990	1.00	06/25/21
21F1584-04 [AP-11R]	B284831	990	1.00	06/25/21
21F1584-05 [DUP20210623]	B284831	1000	1.00	06/25/21
21F1584-07 [AP-6R]	B284831	990	1.00	06/25/21
21F1584-08 [AP-15R-BR]	B284831	1000	1.00	06/25/21

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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
21F1584-02 [AP-12R]	B284910	650	0.600	06/25/21
21F1584-03 [AP-3R]	B284910	990	1.00	06/25/21
21F1584-04 [AP-11R]	B284910	990	1.00	06/25/21
21F1584-05 [DUP20210623]	B284910	1000	1.00	06/25/21
21F1584-07 [AP-6R]	B284910	990	1.00	06/25/21
21F1584-08 [AP-15R-BR]	B284910	1000	1.00	06/25/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1584-02 [AP-12R]	B284936	1000	1.00	06/28/21
21F1584-03 [AP-3R]	B284936	1000	1.00	06/28/21
21F1584-04 [AP-11R]	B284936	980	0.950	06/28/21
21F1584-05 [DUP20210623]	B284936	1000	1.00	06/28/21
21F1584-07 [AP-6R]	B284936	1000	1.00	06/28/21
21F1584-08 [AP-15R-BR]	B284936	990	0.950	06/28/21

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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 B284771 - SW-846 5030B										
Blank (B284771-BLK1)				Prepared & Analyzed: 06/25/21						
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							
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 B284771 - SW-846 5030B										
Blank (B284771-BLK1)				Prepared & Analyzed: 06/25/21						
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/L	25.0		96.2	70-130			
Surrogate: Toluene-d8	*23.8*		µg/L	25.0		95.0	70-130			
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.1	70-130			
LCS (B284771-BS1)				Prepared & Analyzed: 06/25/21						
Acetone	235	10	µg/L	200		117	40-160			V-06
Acrylonitrile	11.3	2.0	µg/L	10.0		113	70-130			
Benzene	9.70	0.50	µg/L	10.0		97.0	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130			
Bromoform	9.61	0.50	µg/L	10.0		96.1	70-130			
Bromomethane	11.8	2.0	µg/L	10.0		118	40-160			V-34
2-Butanone (MEK)	226	5.0	µg/L	200		113	40-160			
n-Butylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
sec-Butylbenzene	9.75	1.0	µg/L	10.0		97.5	70-130			
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
Carbon Disulfide	193	5.0	µg/L	200		96.5	70-130			
Carbon Tetrachloride	10.5	0.50	µg/L	10.0		105	70-130			
Chlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
Chlorodibromomethane	10.1	0.50	µg/L	10.0		101	40-160			
Chloroethane	11.3	0.50	µg/L	10.0		113	70-130			
Chloroform	10.2	0.50	µg/L	10.0		102	70-130			
Chloromethane	5.55	0.60	µg/L	10.0		55.5	40-160			L-17, V-05, V-34
2-Chlorotoluene	10.1	0.50	µg/L	10.0		101	70-130			
4-Chlorotoluene	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.45	1.0	µg/L	10.0		94.5	70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107	70-130			
Dibromomethane	11.0	0.50	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,4-Dichloro-2-butene	9.40	2.0	µg/L	10.0		94.0	70-130			
Dichlorodifluoromethane (Freon 12)	10.1	0.50	µg/L	10.0		101	40-160			
1,1-Dichloroethane	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichloroethane	11.3	0.50	µg/L	10.0		113	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 B284771 - SW-846 5030B										
LCS (B284771-BS1)				Prepared & Analyzed: 06/25/21						
1,1-Dichloroethylene	11.6	0.50	µg/L	10.0		116	70-130			
cis-1,2-Dichloroethylene	11.1	0.50	µg/L	10.0		111	70-130			
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
1,2-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130			
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130			
2,2-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,1-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
Ethylbenzene	10.4	0.50	µg/L	10.0		104	70-130			
Hexachlorobutadiene	9.31	0.60	µg/L	10.0		93.1	40-160			
2-Hexanone (MBK)	232	5.0	µg/L	200		116	70-130			
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102	70-130			
p-Isopropyltoluene (p-Cymene)	10.1	0.50	µg/L	10.0		101	70-130			
Methyl tert-Butyl Ether (MTBE)	9.25	0.50	µg/L	10.0		92.5	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130			
4-Methyl-2-pentanone (MIBK)	241	5.0	µg/L	200		120	40-160			
Naphthalene	8.58	2.0	µg/L	10.0		85.8	70-130			
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Tetrahydrofuran	10.8	10	µg/L	10.0		108	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	9.12	1.0	µg/L	10.0		91.2	70-130			
1,2,4-Trichlorobenzene	9.46	0.50	µg/L	10.0		94.6	70-130			
1,1,1-Trichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1,2-Trichloroethane	10.5	0.50	µg/L	10.0		105	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Trichlorofluoromethane (Freon 11)	9.49	2.0	µg/L	10.0		94.9	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)	10.3	0.50	µg/L	10.0		103	70-130			
1,2,4-Trimethylbenzene	9.82	0.50	µg/L	10.0		98.2	70-130			
1,3,5-Trimethylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
Vinyl Chloride	11.4	1.0	µg/L	10.0		114	70-130			
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.2	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.4	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 B284771 - SW-846 5030B											
Matrix Spike (B284771-MS1)	**Source: 21F1584-08**			Prepared & Analyzed: 06/25/21							
Acetone	233	10	µg/L	200	ND	116		70-130			V-06
Acrylonitrile	11.2	2.0	µg/L	10.0	ND	112		70-130			
Benzene	10.2	0.50	µg/L	10.0	ND	102		70-130			
Bromobenzene	10.3	0.50	µg/L	10.0	ND	103		70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.0	ND	101		70-130			
Bromoform	9.57	0.50	µg/L	10.0	ND	95.7		70-130			
Bromomethane	11.4	2.0	µg/L	10.0	ND	114		70-130			V-34
2-Butanone (MEK)	226	5.0	µg/L	200	ND	113		70-130			
n-Butylbenzene	9.64	1.0	µg/L	10.0	ND	96.4		70-130			
sec-Butylbenzene	9.80	1.0	µg/L	10.0	ND	98.0		70-130			
tert-Butylbenzene	10.3	1.0	µg/L	10.0	ND	103		70-130			
Carbon Disulfide	202	5.0	µg/L	200	ND	101		70-130			
Carbon Tetrachloride	11.2	0.50	µg/L	10.0	ND	112		70-130			
Chlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130			
Chlorodibromomethane	9.91	0.50	µg/L	10.0	ND	99.1		70-130			
Chloroethane	12.3	0.50	µg/L	10.0	ND	123		70-130			
Chloroform	10.9	0.50	µg/L	10.0	0.210	107		70-130			
Chloromethane	5.64	0.60	µg/L	10.0	ND	**56.4**	*	70-130			MS-09, V-34
2-Chlorotoluene	10.3	0.50	µg/L	10.0	ND	103		70-130			
4-Chlorotoluene	10.5	0.50	µg/L	10.0	ND	105		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.54	1.0	µg/L	10.0	ND	95.4		70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0	ND	104		70-130			
Dibromomethane	10.8	0.50	µg/L	10.0	ND	108		70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0	ND	101		70-130			
1,3-Dichlorobenzene	10.1	0.50	µg/L	10.0	ND	101		70-130			
1,4-Dichlorobenzene	10.1	0.50	µg/L	10.0	ND	101		70-130			
trans-1,4-Dichloro-2-butene	8.52	2.0	µg/L	10.0	ND	85.2		70-130			
Dichlorodifluoromethane (Freon 12)	9.92	0.50	µg/L	10.0	ND	99.2		70-130			
1,1-Dichloroethane	11.5	0.50	µg/L	10.0	ND	115		70-130			
1,2-Dichloroethane	11.6	0.50	µg/L	10.0	ND	116		70-130			
1,1-Dichloroethylene	12.4	0.50	µg/L	10.0	ND	124		70-130			
cis-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0	ND	108		70-130			
trans-1,2-Dichloroethylene	12.2	1.0	µg/L	10.0	ND	122		70-130			
1,2-Dichloropropane	11.0	0.50	µg/L	10.0	ND	110		70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0	ND	105		70-130			
2,2-Dichloropropane	8.83	0.50	µg/L	10.0	ND	88.3		70-130			
1,1-Dichloropropene	11.3	0.50	µg/L	10.0	ND	113		70-130			
cis-1,3-Dichloropropene	9.72	0.50	µg/L	10.0	ND	97.2		70-130			
trans-1,3-Dichloropropene	9.52	0.50	µg/L	10.0	ND	95.2		70-130			
Ethylbenzene	10.5	0.50	µg/L	10.0	ND	105		70-130			
Hexachlorobutadiene	9.16	0.60	µg/L	10.0	ND	91.6		70-130			
2-Hexanone (MBK)	229	5.0	µg/L	200	ND	114		70-130			
Isopropylbenzene (Cumene)	10.6	0.50	µg/L	10.0	ND	106		70-130			
p-Isopropyltoluene (p-Cymene)	10.2	0.50	µg/L	10.0	ND	102		70-130			
Methyl tert-Butyl Ether (MTBE)	9.53	0.50	µg/L	10.0	ND	95.3		70-130			
Methyl Cyclohexane	9.54	1.0	µg/L	10.0	ND	95.4		70-130			
Methylene Chloride	11.6	5.0	µg/L	10.0	ND	116		70-130			
4-Methyl-2-pentanone (MIBK)	236	5.0	µg/L	200	ND	118		70-130			
Naphthalene	8.63	2.0	µg/L	10.0	ND	86.3		70-130			
n-Propylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130			
Styrene	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,1,1,2-Tetrachloroethane	10.8	0.50	µg/L	10.0	ND	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 B284771 - SW-846 5030B											
Matrix Spike (B284771-MS1)	**Source: 21F1584-08**			Prepared & Analyzed: 06/25/21							
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0	ND	104		70-130			
Tetrachloroethylene	11.4	1.0	µg/L	10.0	ND	114		70-130			
Tetrahydrofuran	11.2	10	µg/L	10.0	ND	112		70-130			
Toluene	10.4	1.0	µg/L	10.0	ND	104		70-130			
1,2,3-Trichlorobenzene	8.89	1.0	µg/L	10.0	ND	88.9		70-130			
1,2,4-Trichlorobenzene	9.21	0.50	µg/L	10.0	ND	92.1		70-130			
1,1,1-Trichloroethane	11.2	0.50	µg/L	10.0	ND	112		70-130			
1,1,2-Trichloroethane	10.2	0.50	µg/L	10.0	ND	102		70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0	ND	112		70-130			
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0	ND	103		70-130			
1,2,3-Trichloropropane	10.8	0.50	µg/L	10.0	ND	108		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	0.50	µg/L	10.0	ND	101		70-130			
1,2,4-Trimethylbenzene	10.1	0.50	µg/L	10.0	ND	101		70-130			
1,3,5-Trimethylbenzene	10.6	0.50	µg/L	10.0	ND	106		70-130			
Vinyl Chloride	12.3	1.0	µg/L	10.0	ND	123		70-130			
m+p Xylene	21.5	2.0	µg/L	20.0	ND	107		70-130			
o-Xylene	10.4	1.0	µg/L	10.0	ND	104		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.7		70-130			
Surrogate: Toluene-d8	*23.6*		µg/L	25.0		94.4		70-130			
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.3		70-130			
Matrix Spike Dup (B284771-MSD1)	**Source: 21F1584-08**			Prepared & Analyzed: 06/25/21							
Acetone	228	10	µg/L	200	ND	114		70-130	2.04	30	V-06
Acrylonitrile	11.2	2.0	µg/L	10.0	ND	112		70-130	0.268	30	
Benzene	10.4	0.50	µg/L	10.0	ND	104		70-130	2.13	30	
Bromobenzene	10.8	0.50	µg/L	10.0	ND	108		70-130	5.21	30	
Bromodichloromethane	10.3	0.50	µg/L	10.0	ND	103		70-130	2.05	30	
Bromoform	9.70	0.50	µg/L	10.0	ND	97.0		70-130	1.35	30	
Bromomethane	12.5	2.0	µg/L	10.0	ND	125		70-130	8.86	30	V-34
2-Butanone (MEK)	224	5.0	µg/L	200	ND	112		70-130	0.836	30	
n-Butylbenzene	9.90	1.0	µg/L	10.0	ND	99.0		70-130	2.66	30	
sec-Butylbenzene	10.5	1.0	µg/L	10.0	ND	105		70-130	6.80	30	
tert-Butylbenzene	10.9	1.0	µg/L	10.0	ND	109		70-130	5.00	30	
Carbon Disulfide	207	5.0	µg/L	200	ND	103		70-130	2.27	30	
Carbon Tetrachloride	11.6	0.50	µg/L	10.0	ND	116		70-130	3.43	30	
Chlorobenzene	11.1	0.50	µg/L	10.0	ND	111		70-130	4.31	30	
Chlorodibromomethane	10.5	0.50	µg/L	10.0	ND	105		70-130	5.69	30	
Chloroethane	12.6	0.50	µg/L	10.0	ND	126		70-130	2.56	30	
Chloroform	10.8	0.50	µg/L	10.0	0.210	106		70-130	1.02	30	
Chloromethane	5.66	0.60	µg/L	10.0	ND	**56.6**	*	70-130	0.354	30	MS-09, V-34
2-Chlorotoluene	10.7	0.50	µg/L	10.0	ND	107		70-130	3.71	30	
4-Chlorotoluene	11.0	0.50	µg/L	10.0	ND	110		70-130	4.58	30	
1,2-Dibromo-3-chloropropane (DBCP)	9.79	1.0	µg/L	10.0	ND	97.9		70-130	2.59	30	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0	ND	109		70-130	5.27	30	
Dibromomethane	11.5	0.50	µg/L	10.0	ND	115		70-130	5.92	30	
1,2-Dichlorobenzene	10.9	0.50	µg/L	10.0	ND	109		70-130	7.42	30	
1,3-Dichlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130	6.14	30	
1,4-Dichlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130	5.49	30	
trans-1,4-Dichloro-2-butene	8.13	2.0	µg/L	10.0	ND	81.3		70-130	4.68	30	
Dichlorodifluoromethane (Freon 12)	10.4	0.50	µg/L	10.0	ND	104		70-130	4.72	30	
1,1-Dichloroethane	11.4	0.50	µg/L	10.0	ND	114		70-130	0.262	30	
1,2-Dichloroethane	11.6	0.50	µg/L	10.0	ND	116		70-130	0.518	30	

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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 B284771 - SW-846 5030B										
Matrix Spike Dup (B284771-MSD1)	**Source: 21F1584-08**			Prepared & Analyzed: 06/25/21						
1,1-Dichloroethylene	12.7	0.50	µg/L	10.0	ND	127	70-130	2.07	30	
cis-1,2-Dichloroethylene	11.2	0.50	µg/L	10.0	ND	112	70-130	3.71	30	
trans-1,2-Dichloroethylene	12.2	1.0	µg/L	10.0	ND	122	70-130	0.492	30	
1,2-Dichloropropane	11.3	0.50	µg/L	10.0	ND	113	70-130	1.97	30	
1,3-Dichloropropane	10.9	0.50	µg/L	10.0	ND	109	70-130	3.28	30	
2,2-Dichloropropane	8.88	0.50	µg/L	10.0	ND	88.8	70-130	0.565	30	
1,1-Dichloropropene	11.6	0.50	µg/L	10.0	ND	116	70-130	2.54	30	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0	ND	100	70-130	3.24	30	
trans-1,3-Dichloropropene	9.90	0.50	µg/L	10.0	ND	99.0	70-130	3.91	30	
Ethylbenzene	11.0	0.50	µg/L	10.0	ND	110	70-130	4.09	30	
Hexachlorobutadiene	9.85	0.60	µg/L	10.0	ND	98.5	70-130	7.26	30	
2-Hexanone (MBK)	233	5.0	µg/L	200	ND	116	70-130	1.86	30	
Isopropylbenzene (Cumene)	11.0	0.50	µg/L	10.0	ND	110	70-130	3.44	30	
p-Isopropyltoluene (p-Cymene)	10.6	0.50	µg/L	10.0	ND	106	70-130	4.12	30	
Methyl tert-Butyl Ether (MTBE)	9.71	0.50	µg/L	10.0	ND	97.1	70-130	1.87	30	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0	ND	101	70-130	6.10	30	
Methylene Chloride	11.9	5.0	µg/L	10.0	ND	119	70-130	2.29	30	
4-Methyl-2-pentanone (MIBK)	240	5.0	µg/L	200	ND	120	70-130	1.80	30	
Naphthalene	9.18	2.0	µg/L	10.0	ND	91.8	70-130	6.18	30	
n-Propylbenzene	10.7	1.0	µg/L	10.0	ND	107	70-130	5.16	30	
Styrene	11.0	1.0	µg/L	10.0	ND	110	70-130	3.32	30	
1,1,1,2-Tetrachloroethane	11.6	0.50	µg/L	10.0	ND	116	70-130	6.71	30	
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0	ND	107	70-130	2.56	30	
Tetrachloroethylene	11.8	1.0	µg/L	10.0	ND	118	70-130	4.23	30	
Tetrahydrofuran	10.5	10	µg/L	10.0	ND	105	70-130	6.19	30	
Toluene	10.7	1.0	µg/L	10.0	ND	107	70-130	3.41	30	
1,2,3-Trichlorobenzene	9.52	1.0	µg/L	10.0	ND	95.2	70-130	6.84	30	
1,2,4-Trichlorobenzene	9.93	0.50	µg/L	10.0	ND	99.3	70-130	7.52	30	
1,1,1-Trichloroethane	11.0	0.50	µg/L	10.0	ND	110	70-130	1.71	30	
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0	ND	108	70-130	5.05	30	
Trichloroethylene	11.6	1.0	µg/L	10.0	ND	116	70-130	3.87	30	
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0	ND	106	70-130	2.78	30	
1,2,3-Trichloropropane	11.5	0.50	µg/L	10.0	ND	115	70-130	6.01	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	0.50	µg/L	10.0	ND	108	70-130	6.69	30	
1,2,4-Trimethylbenzene	10.7	0.50	µg/L	10.0	ND	107	70-130	5.69	30	
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0	ND	108	70-130	2.43	30	
Vinyl Chloride	12.6	1.0	µg/L	10.0	ND	126	70-130	2.89	30	
m+p Xylene	22.2	2.0	µg/L	20.0	ND	111	70-130	3.43	30	
o-Xylene	10.8	1.0	µg/L	10.0	ND	108	70-130	3.39	30	
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.8	70-130			
Surrogate: Toluene-d8	*23.6*		µg/L	25.0		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.5	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 B284831 - SW-846 3510C										
Blank (B284831-BLK1)				Prepared: 06/25/21 Analyzed: 06/28/21						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							V-20
2,4-Dinitrophenol	ND	10	µg/L							V-20
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							L-04
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							L-04
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*95.3*		µg/L	200		47.6	15-110			
Surrogate: Phenol-d6	*82.6*		µg/L	200		41.3	15-110			
Surrogate: Nitrobenzene-d5	*83.2*		µg/L	100		83.2	30-130			
Surrogate: 2-Fluorobiphenyl	*81.6*		µg/L	100		81.6	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 B284831 - SW-846 3510C												
Blank (B284831-BLK1)				Prepared: 06/25/21 Analyzed: 06/28/21								
Surrogate: 2,4,6-Tribromophenol	*185*		µg/L	200		92.4		15-110				
Surrogate: p-Terphenyl-d14	*131*		µg/L	100		**131**	*	30-130			S-07	
LCS (B284831-BS1)				Prepared: 06/25/21 Analyzed: 06/28/21								
Aniline	43.0	5.0	µg/L	50.0		86.1		40-140				†
Bis(2-chloroethoxy)methane	35.5	10	µg/L	50.0		71.0		40-140				
Bis(2-chloroethyl)ether	40.1	10	µg/L	50.0		80.3		40-140				
Bis(2-chloroisopropyl)ether	41.0	10	µg/L	50.0		82.0		40-140				
Bis(2-Ethylhexyl)phthalate	43.1	2.0	µg/L	50.0		86.2		40-140				
4-Bromophenylphenylether	33.3	10	µg/L	50.0		66.6		40-140				
Butylbenzylphthalate	41.2	10	µg/L	50.0		82.4		40-140				
Carbazole	38.5	10	µg/L	50.0		76.9		40-140				
4-Chloroaniline	38.8	10	µg/L	50.0		77.6		40-140			V-34	†
4-Chloro-3-methylphenol	37.6	10	µg/L	50.0		75.1		30-130				
2-Chloronaphthalene	31.0	10	µg/L	50.0		62.0		40-140				
2-Chlorophenol	33.2	10	µg/L	50.0		66.4		30-130				
4-Chlorophenylphenylether	34.0	10	µg/L	50.0		68.0		40-140				
Dibenzofuran	36.0	5.0	µg/L	50.0		72.0		40-140				
Di-n-butylphthalate	40.3	10	µg/L	50.0		80.5		40-140				
3,3-Dichlorobenzidine	42.2	10	µg/L	50.0		84.4		40-140				†
2,4-Dichlorophenol	34.6	10	µg/L	50.0		69.2		30-130				
Diethylphthalate	37.3	10	µg/L	50.0		74.7		40-140				
2,4-Dimethylphenol	35.2	10	µg/L	50.0		70.3		30-130				
Dimethylphthalate	37.7	10	µg/L	50.0		75.3		40-140				
4,6-Dinitro-2-methylphenol	46.2	10	µg/L	50.0		92.4		30-130			V-06	
2,4-Dinitrophenol	44.8	10	µg/L	50.0		89.6		30-130			V-06	
2,4-Dinitrotoluene	43.9	10	µg/L	50.0		87.9		40-140				
2,6-Dinitrotoluene	45.0	10	µg/L	50.0		90.1		40-140				
Di-n-octylphthalate	41.3	10	µg/L	50.0		82.6		40-140				
Hexachlorobenzene	36.4	2.0	µg/L	50.0		72.7		40-140				
Hexachlorobutadiene	17.8	10	µg/L	50.0		**35.7**	*	40-140			L-04	
Hexachlorocyclopentadiene	19.1	10	µg/L	50.0		38.3		30-140				
Hexachloroethane	17.7	2.0	µg/L	50.0		**35.3**	*	40-140			L-04	
Isophorone	39.5	10	µg/L	50.0		78.9		40-140				
2-Methylphenol	32.8	10	µg/L	50.0		65.5		30-130				
3/4-Methylphenol	31.9	10	µg/L	50.0		63.8		30-130				
2-Nitroaniline	45.1	10	µg/L	50.0		90.2		40-140				
3-Nitroaniline	47.7	10	µg/L	50.0		95.4		40-140				†
4-Nitroaniline	42.7	10	µg/L	50.0		85.4		40-140				
Nitrobenzene	36.0	10	µg/L	50.0		72.0		40-140				
2-Nitrophenol	37.3	10	µg/L	50.0		74.6		30-130				
4-Nitrophenol	28.2	10	µg/L	50.0		56.5		10-130				
N-Nitrosodiphenylamine/Diphenylamine	42.0	10	µg/L	50.0		84.1		40-140				
N-Nitrosodi-n-propylamine	33.2	10	µg/L	50.0		66.4		40-140				
Pentachloronitrobenzene	38.0	10	µg/L	50.0		76.0		40-140				
Pentachlorophenol	31.4	10	µg/L	50.0		62.8		30-130				
Phenol	17.9	10	µg/L	50.0		35.7		20-130				
Pyridine	22.9	5.0	µg/L	50.0		45.8		10-140				†
1,2,4,5-Tetrachlorobenzene	27.9	10	µg/L	50.0		55.7		40-140				
1,2,4-Trichlorobenzene	24.4	5.0	µg/L	50.0		48.7		40-140				
2,4,5-Trichlorophenol	39.0	10	µg/L	50.0		77.9		30-130				
2,4,6-Trichlorophenol	36.8	10	µg/L	50.0		73.6		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 B284831 - SW-846 3510C												
LCS (B284831-BS1)				Prepared: 06/25/21 Analyzed: 06/28/21								
Surrogate: 2-Fluorophenol	*91.6*		µg/L	200			45.8	15-110				
Surrogate: Phenol-d6	*85.3*		µg/L	200			42.6	15-110				
Surrogate: Nitrobenzene-d5	*77.4*		µg/L	100			77.4	30-130				
Surrogate: 2-Fluorobiphenyl	*76.9*		µg/L	100			76.9	30-130				
Surrogate: 2,4,6-Tribromophenol	*156*		µg/L	200			77.8	15-110				
Surrogate: p-Terphenyl-d14	*104*		µg/L	100			104	30-130				
LCS Dup (B284831-BSD1)				Prepared: 06/25/21 Analyzed: 06/28/21								
Aniline	40.5	5.0	µg/L	50.0			80.9	40-140	6.18	50		† ‡
Bis(2-chloroethoxy)methane	34.1	10	µg/L	50.0			68.3	40-140	3.99	20		
Bis(2-chloroethyl)ether	38.3	10	µg/L	50.0			76.5	40-140	4.74	20		
Bis(2-chloroisopropyl)ether	39.6	10	µg/L	50.0			79.2	40-140	3.50	20		
Bis(2-Ethylhexyl)phthalate	42.2	2.0	µg/L	50.0			84.3	40-140	2.18	20		
4-Bromophenylphenylether	34.1	10	µg/L	50.0			68.2	40-140	2.28	20		
Butylbenzylphthalate	41.5	10	µg/L	50.0			82.9	40-140	0.581	20		
Carbazole	37.0	10	µg/L	50.0			74.1	40-140	3.79	20		
4-Chloroaniline	38.0	10	µg/L	50.0			76.1	40-140	1.90	20	V-34	†
4-Chloro-3-methylphenol	36.3	10	µg/L	50.0			72.6	30-130	3.39	20		
2-Chloronaphthalene	27.3	10	µg/L	50.0			54.6	40-140	12.7	20		
2-Chlorophenol	31.8	10	µg/L	50.0			63.6	30-130	4.34	20		
4-Chlorophenylphenylether	32.7	10	µg/L	50.0			65.5	40-140	3.72	20		
Dibenzofuran	34.5	5.0	µg/L	50.0			69.0	40-140	4.23	20		
Di-n-butylphthalate	40.6	10	µg/L	50.0			81.3	40-140	0.964	20		
3,3-Dichlorobenzidine	41.4	10	µg/L	50.0			82.7	40-140	2.03	20		† ‡
2,4-Dichlorophenol	33.3	10	µg/L	50.0			66.6	30-130	3.77	20		
Diethylphthalate	36.5	10	µg/L	50.0			73.0	40-140	2.25	20		
2,4-Dimethylphenol	33.5	10	µg/L	50.0			67.0	30-130	4.86	20		
Dimethylphthalate	37.1	10	µg/L	50.0			74.1	40-140	1.58	50		
4,6-Dinitro-2-methylphenol	46.9	10	µg/L	50.0			93.9	30-130	1.61	50	V-06	
2,4-Dinitrophenol	46.6	10	µg/L	50.0			93.2	30-130	3.87	50	V-06	
2,4-Dinitrotoluene	42.4	10	µg/L	50.0			84.8	40-140	3.59	20		
2,6-Dinitrotoluene	42.7	10	µg/L	50.0			85.4	40-140	5.31	20		
Di-n-octylphthalate	41.1	10	µg/L	50.0			82.2	40-140	0.534	20		
Hexachlorobenzene	36.0	2.0	µg/L	50.0			72.0	40-140	0.939	20		
Hexachlorobutadiene	17.0	10	µg/L	50.0			**34.0**	* 40-140	4.94	20	L-04	
Hexachlorocyclopentadiene	18.3	10	µg/L	50.0			36.6	30-140	4.54	50		
Hexachloroethane	15.7	2.0	µg/L	50.0			**31.5**	* 40-140	11.6	50	L-04	
Isophorone	38.7	10	µg/L	50.0			77.4	40-140	1.97	20		
2-Methylphenol	31.4	10	µg/L	50.0			62.8	30-130	4.27	20		
3/4-Methylphenol	30.3	10	µg/L	50.0			60.7	30-130	5.04	20		
2-Nitroaniline	43.0	10	µg/L	50.0			86.0	40-140	4.79	20		
3-Nitroaniline	43.1	10	µg/L	50.0			86.2	40-140	10.2	20		†
4-Nitroaniline	39.5	10	µg/L	50.0			79.0	40-140	7.83	20		
Nitrobenzene	33.8	10	µg/L	50.0			67.7	40-140	6.22	20		
2-Nitrophenol	34.8	10	µg/L	50.0			69.6	30-130	6.94	20		
4-Nitrophenol	25.3	10	µg/L	50.0			50.7	10-130	10.9	50		‡
N-Nitrosodiphenylamine/Diphenylamine	42.0	10	µg/L	50.0			83.9	40-140	0.190	20		
N-Nitrosodi-n-propylamine	33.5	10	µg/L	50.0			67.0	40-140	0.929	20		
Pentachloronitrobenzene	39.7	10	µg/L	50.0			79.3	40-140	4.30	20		
Pentachlorophenol	32.2	10	µg/L	50.0			64.3	30-130	2.36	50		
Phenol	16.4	10	µg/L	50.0			32.8	20-130	8.70	20		
Pyridine	17.3	5.0	µg/L	50.0			34.7	10-140	27.6	50		†

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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 B284831 - SW-846 3510C											
LCS Dup (B284831-BSD1)				Prepared: 06/25/21 Analyzed: 06/28/21							
1,2,4,5-Tetrachlorobenzene	28.0	10	µg/L	50.0		56.0		40-140	0.466	20	
1,2,4-Trichlorobenzene	23.8	5.0	µg/L	50.0		47.6		40-140	2.33	20	
2,4,5-Trichlorophenol	37.0	10	µg/L	50.0		74.1		30-130	5.05	20	
2,4,6-Trichlorophenol	35.0	10	µg/L	50.0		70.0		30-130	4.93	50	
Surrogate: 2-Fluorophenol	*84.0*		µg/L	200		42.0		15-110			
Surrogate: Phenol-d6	*79.0*		µg/L	200		39.5		15-110			
Surrogate: Nitrobenzene-d5	*73.9*		µg/L	100		73.9		30-130			
Surrogate: 2-Fluorobiphenyl	*72.8*		µg/L	100		72.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*154*		µg/L	200		76.9		15-110			
Surrogate: p-Terphenyl-d14	*107*		µg/L	100		107		30-130			
Matrix Spike (B284831-MS1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/28/21							
Aniline	31.4	5.0	µg/L	50.0	ND	62.8		40-140			
Bis(2-chloroethoxy)methane	31.0	10	µg/L	50.0	ND	62.0		40-140			
Bis(2-chloroethyl)ether	34.1	10	µg/L	50.0	ND	68.1		40-140			
Bis(2-chloroisopropyl)ether	36.0	10	µg/L	50.0	ND	72.1		40-140			
Bis(2-Ethylhexyl)phthalate	40.2	2.0	µg/L	50.0	ND	80.4		40-140			
4-Bromophenylphenylether	31.8	10	µg/L	50.0	ND	63.7		40-140			
Butylbenzylphthalate	38.6	10	µg/L	50.0	ND	77.2		40-140			
Carbazole	33.7	10	µg/L	50.0	ND	67.3		40-140			
4-Chloroaniline	35.6	10	µg/L	50.0	ND	71.2		40-140			V-34
4-Chloro-3-methylphenol	34.6	10	µg/L	50.0	ND	69.1		30-130			
2-Chloronaphthalene	26.3	10	µg/L	50.0	ND	52.5		40-140			
2-Chlorophenol	29.0	10	µg/L	50.0	ND	58.0		30-130			
4-Chlorophenylphenylether	29.9	10	µg/L	50.0	ND	59.8		40-140			
Dibenzofuran	30.9	5.0	µg/L	50.0	ND	61.8		40-140			
Di-n-butylphthalate	37.1	10	µg/L	50.0	ND	74.3		40-140			
3,3-Dichlorobenzidine	34.5	10	µg/L	50.0	ND	69.0		40-140			
2,4-Dichlorophenol	29.9	10	µg/L	50.0	ND	59.8		30-130			
Diethylphthalate	33.6	10	µg/L	50.0	ND	67.3		40-140			
2,4-Dimethylphenol	31.0	10	µg/L	50.0	ND	62.0		30-130			
Dimethylphthalate	33.7	10	µg/L	50.0	ND	67.5		40-140			
4,6-Dinitro-2-methylphenol	36.5	10	µg/L	50.0	ND	73.1		30-130			V-06
2,4-Dinitrophenol	26.7	10	µg/L	50.0	ND	53.4		30-130			R-06, V-06
2,4-Dinitrotoluene	38.6	10	µg/L	50.0	ND	77.3		40-140			
2,6-Dinitrotoluene	39.1	10	µg/L	50.0	ND	78.3		40-140			
Di-n-octylphthalate	38.4	10	µg/L	50.0	ND	76.9		40-140			
Hexachlorobenzene	32.7	2.0	µg/L	50.0	ND	65.3		40-140			
Hexachlorobutadiene	14.5	10	µg/L	50.0	ND	**29.0**	*	40-140			L-04, MS-09
Hexachlorocyclopentadiene	15.6	10	µg/L	50.0	ND	**31.3**	*	40-140			MS-09
Hexachloroethane	14.1	2.0	µg/L	50.0	ND	**28.2**	*	40-140			L-04, MS-09
Isophorone	34.7	10	µg/L	50.0	ND	69.5		40-140			
2-Methylphenol	29.4	10	µg/L	50.0	ND	58.9		30-130			
3/4-Methylphenol	30.1	10	µg/L	50.0	ND	60.2		30-130			
2-Nitroaniline	38.7	10	µg/L	50.0	ND	77.3		40-140			
3-Nitroaniline	41.4	10	µg/L	50.0	ND	82.7		40-140			
4-Nitroaniline	37.4	10	µg/L	50.0	ND	74.7		40-140			
Nitrobenzene	30.0	10	µg/L	50.0	ND	60.0		40-140			
2-Nitrophenol	30.3	10	µg/L	50.0	ND	60.6		30-130			
4-Nitrophenol	21.2	10	µg/L	50.0	ND	42.5		30-130			
N-Nitrosodiphenylamine/Diphenylamine	35.2	10	µg/L	50.0	ND	70.4		40-140			
N-Nitrosodi-n-propylamine	29.5	10	µg/L	50.0	ND	59.0		40-140			

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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 B284831 - SW-846 3510C											
Matrix Spike (B284831-MS1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/28/21							
Pentachloronitrobenzene	36.2	10	µg/L	50.0	ND	72.3		40-140			
Pentachlorophenol	20.0	10	µg/L	50.0	ND	39.9		30-130			R-06
Phenol	16.8	10	µg/L	50.0	ND	33.6		30-130			
Pyridine	13.6	5.0	µg/L	50.0	ND	**27.2**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	24.2	10	µg/L	50.0	ND	48.4		40-140			
1,2,4-Trichlorobenzene	20.6	5.0	µg/L	50.0	ND	41.2		40-140			
2,4,5-Trichlorophenol	32.4	10	µg/L	50.0	ND	64.7		30-130			
2,4,6-Trichlorophenol	29.2	10	µg/L	50.0	ND	58.3		30-130			
Surrogate: 2-Fluorophenol	*80.5*		µg/L	200		40.3		15-110			
Surrogate: Phenol-d6	*81.9*		µg/L	200		41.0		15-110			
Surrogate: Nitrobenzene-d5	*62.3*		µg/L	100		62.3		30-130			
Surrogate: 2-Fluorobiphenyl	*64.7*		µg/L	100		64.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*127*		µg/L	200		63.6		15-110			
Surrogate: p-Terphenyl-d14	*106*		µg/L	100		106		30-130			
Matrix Spike Dup (B284831-MSD1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/28/21							
Aniline	33.4	5.1	µg/L	50.5	ND	66.2		40-140	6.27	30	
Bis(2-chloroethoxy)methane	34.2	10	µg/L	50.5	ND	67.6		40-140	9.77	30	
Bis(2-chloroethyl)ether	37.0	10	µg/L	50.5	ND	73.2		40-140	8.16	30	
Bis(2-chloroisopropyl)ether	40.2	10	µg/L	50.5	ND	79.5		40-140	10.8	30	
Bis(2-Ethylhexyl)phthalate	38.5	2.0	µg/L	50.5	ND	76.2		40-140	4.31	30	
4-Bromophenylphenylether	32.8	10	µg/L	50.5	ND	65.0		40-140	2.99	30	
Butylbenzylphthalate	38.6	10	µg/L	50.5	ND	76.4		40-140	0.0414	30	
Carbazole	33.7	10	µg/L	50.5	ND	66.6		40-140	0.0102	30	
4-Chloroaniline	32.2	10	µg/L	50.5	ND	63.8		40-140	9.99	30	V-34
4-Chloro-3-methylphenol	37.1	10	µg/L	50.5	ND	73.5		30-130	7.15	30	
2-Chloronaphthalene	26.0	10	µg/L	50.5	ND	51.4		40-140	1.15	30	
2-Chlorophenol	31.7	10	µg/L	50.5	ND	62.8		30-130	9.02	30	
4-Chlorophenylphenylether	31.3	10	µg/L	50.5	ND	62.0		40-140	4.62	30	
Dibenzofuran	33.1	5.1	µg/L	50.5	ND	65.6		40-140	7.03	30	
Di-n-butylphthalate	37.0	10	µg/L	50.5	ND	73.2		40-140	0.460	30	
3,3-Dichlorobenzidine	30.5	10	µg/L	50.5	ND	60.3		40-140	12.4	30	
2,4-Dichlorophenol	32.3	10	µg/L	50.5	ND	63.9		30-130	7.66	30	
Diethylphthalate	36.0	10	µg/L	50.5	ND	71.2		40-140	6.72	30	
2,4-Dimethylphenol	31.5	10	µg/L	50.5	ND	62.3		30-130	1.46	30	
Dimethylphthalate	36.6	10	µg/L	50.5	ND	72.4		40-140	8.12	30	
4,6-Dinitro-2-methylphenol	45.2	10	µg/L	50.5	ND	89.5		30-130	21.2	30	V-06
2,4-Dinitrophenol	42.6	10	µg/L	50.5	ND	84.4		30-130	**45.9**	* 30	R-06, V-06
2,4-Dinitrotoluene	40.1	10	µg/L	50.5	ND	79.5		40-140	3.81	30	
2,6-Dinitrotoluene	41.7	10	µg/L	50.5	ND	82.6		40-140	6.40	30	
Di-n-octylphthalate	37.8	10	µg/L	50.5	ND	74.9		40-140	1.63	30	
Hexachlorobenzene	35.3	2.0	µg/L	50.5	ND	69.8		40-140	7.63	30	
Hexachlorobutadiene	15.8	10	µg/L	50.5	ND	**31.2**	*	40-140	8.51	30	L-04, MS-09
Hexachlorocyclopentadiene	17.1	10	µg/L	50.5	ND	**33.9**	*	40-140	8.92	30	MS-09
Hexachloroethane	15.8	2.0	µg/L	50.5	ND	**31.3**	*	40-140	11.4	30	L-04, MS-09
Isophorone	37.8	10	µg/L	50.5	ND	74.8		40-140	8.32	30	
2-Methylphenol	30.5	10	µg/L	50.5	ND	60.4		30-130	3.59	30	
3/4-Methylphenol	30.1	10	µg/L	50.5	ND	59.6		30-130	0.00302	30	
2-Nitroaniline	40.9	10	µg/L	50.5	ND	81.1		40-140	5.73	30	
3-Nitroaniline	41.4	10	µg/L	50.5	ND	82.1		40-140	0.228	30	
4-Nitroaniline	36.3	10	µg/L	50.5	ND	71.9		40-140	2.87	30	
Nitrobenzene	32.5	10	µg/L	50.5	ND	64.3		40-140	7.95	30	

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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 B284831 - SW-846 3510C												
Matrix Spike Dup (B284831-MSD1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/28/21								
2-Nitrophenol	34.6	10	µg/L	50.5	ND	68.5		30-130	13.2		30	
4-Nitrophenol	25.4	10	µg/L	50.5	ND	50.2		30-130	17.6		30	
N-Nitrosodiphenylamine/Diphenylamine	34.4	10	µg/L	50.5	ND	68.2		40-140	2.11		30	
N-Nitrosodi-n-propylamine	33.2	10	µg/L	50.5	ND	65.8		40-140	11.9		30	
Pentachloronitrobenzene	38.0	10	µg/L	50.5	ND	75.2		40-140	4.99		30	
Pentachlorophenol	29.5	10	µg/L	50.5	ND	58.4		30-130	**38.5**	*	30	R-06
Phenol	16.9	10	µg/L	50.5	ND	33.4		30-130	0.527		30	
Pyridine	15.6	5.1	µg/L	50.5	ND	**30.9**	*	40-140	14.0		30	MS-09
1,2,4,5-Tetrachlorobenzene	25.8	10	µg/L	50.5	ND	51.2		40-140	6.51		30	
1,2,4-Trichlorobenzene	22.7	5.1	µg/L	50.5	ND	44.9		40-140	9.60		30	
2,4,5-Trichlorophenol	36.6	10	µg/L	50.5	ND	72.4		30-130	12.2		30	
2,4,6-Trichlorophenol	34.1	10	µg/L	50.5	ND	67.4		30-130	15.5		30	
Surrogate: 2-Fluorophenol	*82.7*		µg/L	202		40.9		15-110				
Surrogate: Phenol-d6	*80.9*		µg/L	202		40.0		15-110				
Surrogate: Nitrobenzene-d5	*69.1*		µg/L	101		68.4		30-130				
Surrogate: 2-Fluorobiphenyl	*69.3*		µg/L	101		68.6		30-130				
Surrogate: 2,4,6-Tribromophenol	*145*		µg/L	202		71.9		15-110				
Surrogate: p-Terphenyl-d14	*102*		µg/L	101		100		30-130				
Batch B284910 - SW-846 3510C												
Blank (B284910-BLK1)				Prepared: 06/25/21 Analyzed: 06/28/21								
Acenaphthene (SIM)	ND	0.30	µg/L									
Acenaphthylene (SIM)	ND	0.20	µg/L									
Anthracene (SIM)	ND	0.20	µg/L									
Benzo(a)anthracene (SIM)	ND	0.050	µg/L									
Benzo(a)pyrene (SIM)	ND	0.10	µg/L									
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L									
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L									
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L									
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L									
Chrysene (SIM)	ND	0.20	µg/L									
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L									
Fluoranthene (SIM)	ND	0.50	µg/L									
Fluorene (SIM)	ND	1.0	µg/L									
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L									
2-Methylnaphthalene (SIM)	ND	1.0	µg/L									
Naphthalene (SIM)	ND	1.0	µg/L									
Phenanthrene (SIM)	ND	0.050	µg/L									
Pyrene (SIM)	ND	1.0	µg/L									
Surrogate: Nitrobenzene-d5	*72.8*		µg/L	100		72.8		30-130				
Surrogate: Nitrobenzene-d5 (SIM)	*78.1*		µg/L	100		78.1		30-130				
Surrogate: 2-Fluorobiphenyl	*63.3*		µg/L	100		63.3		30-130				
Surrogate: 2-Fluorobiphenyl (SIM)	*62.1*		µg/L	100		62.1		30-130				
Surrogate: p-Terphenyl-d14	*95.7*		µg/L	100		95.7		30-130				
Surrogate: p-Terphenyl-d14 (SIM)	*88.2*		µg/L	100		88.2		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 B284910 - SW-846 3510C										
LCS (B284910-BS1)				Prepared: 06/25/21 Analyzed: 06/28/21						
Acenaphthene (SIM)	22.9	6.0	µg/L	50.0		45.8	40-140			
Acenaphthylene (SIM)	25.8	4.0	µg/L	50.0		51.7	40-140			
Anthracene (SIM)	31.2	4.0	µg/L	50.0		62.3	40-140			
Benzo(a)anthracene (SIM)	35.0	1.0	µg/L	50.0		70.1	40-140			
Benzo(a)pyrene (SIM)	28.7	2.0	µg/L	50.0		57.4	40-140			
Benzo(b)fluoranthene (SIM)	32.0	1.0	µg/L	50.0		64.1	40-140			
Benzo(g,h,i)perylene (SIM)	31.1	10	µg/L	50.0		62.2	40-140			
Benzo(k)fluoranthene (SIM)	32.7	4.0	µg/L	50.0		65.5	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	45.8	20	µg/L	50.0		91.6	40-140			
Chrysene (SIM)	34.5	4.0	µg/L	50.0		69.0	40-140			
Dibenz(a,h)anthracene (SIM)	31.2	2.0	µg/L	50.0		62.4	40-140			
Fluoranthene (SIM)	29.9	10	µg/L	50.0		59.8	40-140			
Fluorene (SIM)	26.6	20	µg/L	50.0		53.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	32.6	2.0	µg/L	50.0		65.1	40-140			
2-Methylnaphthalene (SIM)	28.0	20	µg/L	50.0		55.9	40-140			
Naphthalene (SIM)	24.9	20	µg/L	50.0		49.7	40-140			
Phenanthrene (SIM)	29.5	1.0	µg/L	50.0		58.9	40-140			
Pyrene (SIM)	31.4	20	µg/L	50.0		62.8	40-140			
Surrogate: Nitrobenzene-d5	*58.0*		µg/L	100		58.0	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*60.4*		µg/L	100		60.4	30-130			
Surrogate: 2-Fluorobiphenyl	*51.0*		µg/L	100		51.0	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*53.1*		µg/L	100		53.1	30-130			
Surrogate: p-Terphenyl-d14	*62.0*		µg/L	100		62.0	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*66.6*		µg/L	100		66.6	30-130			
LCS Dup (B284910-BSD1)				Prepared: 06/25/21 Analyzed: 06/28/21						
Acenaphthene (SIM)	25.2	6.0	µg/L	50.0		50.3	40-140	9.49	20	
Acenaphthylene (SIM)	28.0	4.0	µg/L	50.0		56.1	40-140	8.17	20	
Anthracene (SIM)	34.1	4.0	µg/L	50.0		68.1	40-140	8.89	20	
Benzo(a)anthracene (SIM)	37.5	1.0	µg/L	50.0		75.0	40-140	6.78	20	
Benzo(a)pyrene (SIM)	31.4	2.0	µg/L	50.0		62.9	40-140	9.04	20	
Benzo(b)fluoranthene (SIM)	34.7	1.0	µg/L	50.0		69.4	40-140	8.03	20	
Benzo(g,h,i)perylene (SIM)	34.2	10	µg/L	50.0		68.5	40-140	9.55	20	
Benzo(k)fluoranthene (SIM)	36.3	4.0	µg/L	50.0		72.6	40-140	10.3	20	
Bis(2-ethylhexyl)phthalate (SIM)	45.9	20	µg/L	50.0		91.8	40-140	0.218	20	
Chrysene (SIM)	37.3	4.0	µg/L	50.0		74.6	40-140	7.74	20	
Dibenz(a,h)anthracene (SIM)	34.4	2.0	µg/L	50.0		68.8	40-140	9.82	20	
Fluoranthene (SIM)	32.3	10	µg/L	50.0		64.5	40-140	7.59	20	
Fluorene (SIM)	28.8	20	µg/L	50.0		57.6	40-140	7.87	20	
Indeno(1,2,3-cd)pyrene (SIM)	35.9	2.0	µg/L	50.0		71.7	40-140	9.65	20	
2-Methylnaphthalene (SIM)	30.4	20	µg/L	50.0		60.7	40-140	8.23	20	
Naphthalene (SIM)	27.3	20	µg/L	50.0		54.5	40-140	9.21	20	
Phenanthrene (SIM)	32.5	1.0	µg/L	50.0		64.9	40-140	9.69	20	
Pyrene (SIM)	34.0	20	µg/L	50.0		68.0	40-140	7.96	20	
Surrogate: Nitrobenzene-d5	*62.6*		µg/L	100		62.6	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*66.2*		µg/L	100		66.2	30-130			
Surrogate: 2-Fluorobiphenyl	*56.2*		µg/L	100		56.2	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*57.8*		µg/L	100		57.8	30-130			
Surrogate: p-Terphenyl-d14	*68.2*		µg/L	100		68.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*71.9*		µg/L	100		71.9	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 B284910 - SW-846 3510C											
Matrix Spike (B284910-MS1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/28/21							
Acenaphthene (SIM)	19.7	6.0	µg/L	50.0	ND	**39.4**	*	40-140			MS-22
Acenaphthylene (SIM)	21.8	4.0	µg/L	50.0	ND	43.6		40-140			
Anthracene (SIM)	28.0	4.0	µg/L	50.0	ND	56.0		40-140			
Benzo(a)anthracene (SIM)	33.0	1.0	µg/L	50.0	ND	65.9		40-140			
Benzo(a)pyrene (SIM)	27.6	2.0	µg/L	50.0	ND	55.3		40-140			
Benzo(b)fluoranthene (SIM)	30.0	1.0	µg/L	50.0	ND	59.9		40-140			
Benzo(g,h,i)perylene (SIM)	29.9	10	µg/L	50.0	ND	59.9		40-140			
Benzo(k)fluoranthene (SIM)	31.3	4.0	µg/L	50.0	ND	62.6		40-140			
Bis(2-ethylhexyl)phthalate (SIM)	42.8	20	µg/L	50.0	ND	85.6		40-140			
Chrysene (SIM)	32.9	4.0	µg/L	50.0	ND	65.8		40-140			
Dibenz(a,h)anthracene (SIM)	30.1	2.0	µg/L	50.0	ND	60.2		40-140			
Fluoranthene (SIM)	28.1	10	µg/L	50.0	ND	56.2		40-140			
Fluorene (SIM)	23.0	20	µg/L	50.0	ND	45.9		40-140			
Indeno(1,2,3-cd)pyrene (SIM)	31.1	2.0	µg/L	50.0	ND	62.3		40-140			
2-Methylnaphthalene (SIM)	23.2	20	µg/L	50.0	ND	46.4		40-140			
Naphthalene (SIM)	20.8	20	µg/L	50.0	ND	41.6		40-140			
Phenanthrene (SIM)	26.8	1.0	µg/L	50.0	ND	53.5		40-140			
Pyrene (SIM)	29.1	20	µg/L	50.0	ND	58.1		40-140			
Surrogate: Nitrobenzene-d5	*48.0*		µg/L	100		48.0		30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*50.3*		µg/L	100		50.3		30-130			
Surrogate: 2-Fluorobiphenyl	*43.5*		µg/L	100		43.5		30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*45.2*		µg/L	100		45.2		30-130			
Surrogate: p-Terphenyl-d14	*60.0*		µg/L	100		60.0		30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*64.0*		µg/L	100		64.0		30-130			
Matrix Spike Dup (B284910-MSD1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/28/21							
Acenaphthene (SIM)	24.1	6.1	µg/L	50.5	ND	47.8		40-140	20.2	30	
Acenaphthylene (SIM)	27.3	4.0	µg/L	50.5	ND	54.0		40-140	22.3	30	
Anthracene (SIM)	32.1	4.0	µg/L	50.5	ND	63.6		40-140	13.7	30	
Benzo(a)anthracene (SIM)	35.4	1.0	µg/L	50.5	ND	70.0		40-140	7.06	30	
Benzo(a)pyrene (SIM)	30.0	2.0	µg/L	50.5	ND	59.4		40-140	8.19	30	
Benzo(b)fluoranthene (SIM)	33.0	1.0	µg/L	50.5	ND	65.3		40-140	9.57	30	
Benzo(g,h,i)perylene (SIM)	32.3	10	µg/L	50.5	ND	63.9		40-140	7.47	30	
Benzo(k)fluoranthene (SIM)	34.4	4.0	µg/L	50.5	ND	68.1		40-140	9.45	30	
Bis(2-ethylhexyl)phthalate (SIM)	45.1	20	µg/L	50.5	ND	89.2		40-140	5.08	30	
Chrysene (SIM)	34.9	4.0	µg/L	50.5	ND	69.2		40-140	5.98	30	
Dibenz(a,h)anthracene (SIM)	32.3	2.0	µg/L	50.5	ND	64.0		40-140	6.99	30	
Fluoranthene (SIM)	31.1	10	µg/L	50.5	ND	61.6		40-140	10.1	30	
Fluorene (SIM)	28.1	20	µg/L	50.5	ND	55.6		40-140	20.1	30	
Indeno(1,2,3-cd)pyrene (SIM)	33.4	2.0	µg/L	50.5	ND	66.1		40-140	6.99	30	
2-Methylnaphthalene (SIM)	29.8	20	µg/L	50.5	ND	59.0		40-140	24.8	30	
Naphthalene (SIM)	27.2	20	µg/L	50.5	ND	53.9		40-140	26.6	30	
Phenanthrene (SIM)	31.4	1.0	µg/L	50.5	ND	62.2		40-140	15.9	30	
Pyrene (SIM)	31.8	20	µg/L	50.5	ND	62.9		40-140	8.87	30	
Surrogate: Nitrobenzene-d5	*62.4*		µg/L	101		61.8		30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*64.6*		µg/L	101		63.9		30-130			
Surrogate: 2-Fluorobiphenyl	*54.2*		µg/L	101		53.6		30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*56.1*		µg/L	101		55.6		30-130			
Surrogate: p-Terphenyl-d14	*64.0*		µg/L	101		63.4		30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*65.8*		µg/L	101		65.1		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 B284936 - SW-846 3510C										
Blank (B284936-BLK1)				Prepared: 06/28/21 Analyzed: 06/29/21						
Acenaphthylene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.10	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Surrogate: o-Terphenyl (OTP)	*107*		µg/L	100		107	30-130			
LCS (B284936-BS1)				Prepared: 06/28/21 Analyzed: 06/29/21						
Acenaphthylene (SIM)	71.6	8.0	µg/L	100		71.6	40-140			
Benzo(a)anthracene (SIM)	98.8	2.0	µg/L	100		98.8	40-140			
Benzo(a)pyrene (SIM)	87.7	4.0	µg/L	100		87.7	40-140			
Benzo(b)fluoranthene (SIM)	99.7	2.0	µg/L	100		99.7	40-140			
Benzo(g,h,i)perylene (SIM)	77.1	4.0	µg/L	100		77.1	40-140			
Benzo(k)fluoranthene (SIM)	79.1	8.0	µg/L	100		79.1	40-140			
Chrysene (SIM)	98.4	4.0	µg/L	100		98.4	40-140			
Dibenz(a,h)anthracene (SIM)	87.5	4.0	µg/L	100		87.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	88.5	4.0	µg/L	100		88.5	40-140			
Phenanthrene (SIM)	84.2	2.0	µg/L	100		84.2	40-140			
Surrogate: o-Terphenyl (OTP)	*94.0*		µg/L	100		94.0	30-130			
LCS Dup (B284936-BSD1)				Prepared: 06/28/21 Analyzed: 06/29/21						
Acenaphthylene (SIM)	66.2	8.0	µg/L	100		66.2	40-140	7.84	20	
Benzo(a)anthracene (SIM)	94.7	2.0	µg/L	100		94.7	40-140	4.30	20	
Benzo(a)pyrene (SIM)	83.6	4.0	µg/L	100		83.6	40-140	4.76	20	
Benzo(b)fluoranthene (SIM)	97.2	2.0	µg/L	100		97.2	40-140	2.60	20	
Benzo(g,h,i)perylene (SIM)	75.6	4.0	µg/L	100		75.6	40-140	1.99	20	
Benzo(k)fluoranthene (SIM)	76.8	8.0	µg/L	100		76.8	40-140	2.92	20	
Chrysene (SIM)	94.5	4.0	µg/L	100		94.5	40-140	4.02	20	
Dibenz(a,h)anthracene (SIM)	85.8	4.0	µg/L	100		85.8	40-140	1.94	20	
Indeno(1,2,3-cd)pyrene (SIM)	86.6	4.0	µg/L	100		86.6	40-140	2.19	20	
Phenanthrene (SIM)	80.7	2.0	µg/L	100		80.7	40-140	4.17	20	
Surrogate: o-Terphenyl (OTP)	*85.2*		µg/L	100		85.2	30-130			
Matrix Spike (B284936-MS1)	**Source: 21F1584-08**			Prepared: 06/28/21 Analyzed: 06/30/21						
Acenaphthylene (SIM)	66.6	7.6	µg/L	101	ND	66.3	40-140			
Benzo(a)anthracene (SIM)	97.3	1.9	µg/L	101	ND	96.8	40-140			
Benzo(a)pyrene (SIM)	87.5	3.8	µg/L	101	ND	87.1	40-140			
Benzo(b)fluoranthene (SIM)	99.2	1.9	µg/L	101	ND	98.7	40-140			
Benzo(g,h,i)perylene (SIM)	81.1	3.8	µg/L	101	ND	80.7	40-140			
Benzo(k)fluoranthene (SIM)	81.3	7.6	µg/L	101	ND	80.9	40-140			
Chrysene (SIM)	101	3.8	µg/L	101	ND	101	40-140			
Dibenz(a,h)anthracene (SIM)	92.7	3.8	µg/L	101	ND	92.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	91.4	3.8	µg/L	101	ND	91.0	40-140			
Phenanthrene (SIM)	86.0	1.9	µg/L	101	ND	85.6	40-140			
Surrogate: o-Terphenyl (OTP)	*94.5*		µg/L	101		94.0	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 B284936 - SW-846 3510C										
Matrix Spike Dup (B284936-MSD1)	**Source: 21F1584-08**			Prepared: 06/28/21 Analyzed: 06/30/21						
Acenaphthylene (SIM)	53.0	7.7	µg/L	101	ND	52.4	40-140	22.9	30	
Benzo(a)anthracene (SIM)	74.9	1.9	µg/L	101	ND	74.1	40-140	26.0	30	
Benzo(a)pyrene (SIM)	67.4	3.8	µg/L	101	ND	66.8	40-140	25.9	30	
Benzo(b)fluoranthene (SIM)	75.6	1.9	µg/L	101	ND	74.9	40-140	27.0	30	
Benzo(g,h,i)perylene (SIM)	60.4	3.8	µg/L	101	ND	59.8	40-140	29.3	30	
Benzo(k)fluoranthene (SIM)	63.5	7.7	µg/L	101	ND	62.9	40-140	24.6	30	
Chrysene (SIM)	78.2	3.8	µg/L	101	ND	77.4	40-140	25.7	30	
Dibenz(a,h)anthracene (SIM)	69.3	3.8	µg/L	101	ND	68.6	40-140	28.9	30	
Indeno(1,2,3-cd)pyrene (SIM)	69.1	3.8	µg/L	101	ND	68.4	40-140	27.9	30	
Phenanthrene (SIM)	67.8	1.9	µg/L	101	ND	67.1	40-140	23.7	30	
Surrogate: o-Terphenyl (OTP)	*74.6*		µg/L	101		73.8	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B284911 - SW-846 3510C										
Blank (B284911-BLK1)				Prepared: 06/28/21 Analyzed: 06/29/21						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Naphthalene-aliphatic fraction	ND	2.0	µg/L							
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*74.4*		µg/L	100		74.4	40-140			
Surrogate: o-Terphenyl (OTP)	*97.7*		µg/L	100		97.7	40-140			
Surrogate: 2-Bromonaphthalene	*129*		µg/L	100		129	40-140			
Surrogate: 2-Fluorobiphenyl	*130*		µg/L	100		130	40-140			
LCS (B284911-BS1)				Prepared: 06/28/21 Analyzed: 06/29/21						
C9-C18 Aliphatics	449	100	µg/L	600		74.8	0-200			
C19-C36 Aliphatics	737	100	µg/L	800		92.2	0-200			
Unadjusted C11-C22 Aromatics	1570	100	µg/L	1700		92.1	0-200			
Acenaphthene	82.8	2.0	µg/L	100		82.8	40-140			
Anthracene	86.3	2.0	µg/L	100		86.3	40-140			
Fluoranthene	88.5	2.0	µg/L	100		88.5	40-140			
Fluorene	84.7	2.0	µg/L	100		84.7	40-140			
2-Methylnaphthalene	75.6	2.0	µg/L	100		75.6	40-140			
Naphthalene	68.3	2.0	µg/L	100		68.3	40-140			
Pyrene	89.7	2.0	µg/L	100		89.7	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*78.9*		µg/L	100		78.9	40-140			
Surrogate: o-Terphenyl (OTP)	*89.7*		µg/L	100		89.7	40-140			
Surrogate: 2-Bromonaphthalene	*121*		µg/L	100		121	40-140			
Surrogate: 2-Fluorobiphenyl	*119*		µg/L	100		119	40-140			
LCS Dup (B284911-BSD1)				Prepared: 06/28/21 Analyzed: 06/29/21						
C9-C18 Aliphatics	437	100	µg/L	600		72.8	0-200	2.69		
C19-C36 Aliphatics	717	100	µg/L	800		89.6	0-200	2.77		
Unadjusted C11-C22 Aromatics	1520	100	µg/L	1700		89.5	0-200	2.87		
Acenaphthene	79.4	2.0	µg/L	100		79.4	40-140	4.18	25	
Anthracene	84.6	2.0	µg/L	100		84.6	40-140	1.96	25	
Fluoranthene	87.5	2.0	µg/L	100		87.5	40-140	1.16	25	
Fluorene	81.9	2.0	µg/L	100		81.9	40-140	3.34	25	
2-Methylnaphthalene	71.2	2.0	µg/L	100		71.2	40-140	5.95	25	
Naphthalene	63.6	2.0	µg/L	100		63.6	40-140	7.13	25	
Pyrene	88.7	2.0	µg/L	100		88.7	40-140	1.18	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*76.4*		µg/L	100		76.4	40-140			
Surrogate: o-Terphenyl (OTP)	*87.7*		µg/L	100		87.7	40-140			
Surrogate: 2-Bromonaphthalene	*118*		µg/L	100		118	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B284911 - SW-846 3510C										
LCS Dup (B284911-BSD1)				Prepared: 06/28/21 Analyzed: 06/29/21						
Surrogate: 2-Fluorobiphenyl	*117*		µg/L	100		117	40-140			
Matrix Spike (B284911-MS1)		**Source: 21F1584-08**		Prepared: 06/28/21 Analyzed: 06/30/21						
C9-C18 Aliphatics	396	95	µg/L	603	ND	65.6	40-140			
C19-C36 Aliphatics	685	95	µg/L	804	ND	85.3	40-140			
Unadjusted C11-C22 Aromatics	1240	95	µg/L	1710	ND	72.8	40-140			
Acenaphthene	62.4	1.9	µg/L	101	ND	62.1	40-140			
Anthracene	66.5	1.9	µg/L	101	ND	66.2	40-140			
Fluoranthene	70.3	1.9	µg/L	101	ND	70.0	40-140			
Fluorene	64.8	1.9	µg/L	101	ND	64.5	40-140			
2-Methylnaphthalene	55.7	1.9	µg/L	101	ND	55.4	40-140			
Naphthalene	49.0	1.9	µg/L	101	ND	48.8	40-140			
Pyrene	71.4	1.9	µg/L	101	ND	71.1	40-140			
Surrogate: Chlorooctadecane (COD)	*70.3*		µg/L	101		70.0	40-140			
Surrogate: o-Terphenyl (OTP)	*71.1*		µg/L	101		70.7	40-140			
Surrogate: 2-Bromonaphthalene	*92.5*		µg/L	101		92.0	40-140			
Surrogate: 2-Fluorobiphenyl	*92.5*		µg/L	101		92.1	40-140			
Matrix Spike Dup (B284911-MSD1)		**Source: 21F1584-08**		Prepared: 06/28/21 Analyzed: 06/30/21						
C9-C18 Aliphatics	400	96	µg/L	606	ND	66.0	40-140	1.11	50	
C19-C36 Aliphatics	658	96	µg/L	808	ND	81.5	40-140	4.04	50	
Unadjusted C11-C22 Aromatics	1250	96	µg/L	1720	ND	72.5	40-140	0.148	50	
Acenaphthene	64.6	1.9	µg/L	101	ND	63.9	40-140	3.36	50	
Anthracene	69.1	1.9	µg/L	101	ND	68.4	40-140	3.83	50	
Fluoranthene	71.4	1.9	µg/L	101	ND	70.7	40-140	1.58	50	
Fluorene	66.8	1.9	µg/L	101	ND	66.1	40-140	3.03	50	
2-Methylnaphthalene	57.6	1.9	µg/L	101	ND	57.0	40-140	3.35	50	
Naphthalene	50.6	1.9	µg/L	101	ND	50.1	40-140	3.04	50	
Pyrene	72.5	1.9	µg/L	101	ND	71.8	40-140	1.46	50	
Surrogate: Chlorooctadecane (COD)	*67.7*		µg/L	101		67.0	40-140			
Surrogate: o-Terphenyl (OTP)	*73.3*		µg/L	101		72.6	40-140			
Surrogate: 2-Bromonaphthalene	*113*		µg/L	101		112	40-140			
Surrogate: 2-Fluorobiphenyl	*113*		µg/L	101		112	40-140			

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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 B284762 - SW-846 7470A Prep										
Blank (B284762-BLK1)				Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	ND	0.00010	mg/L							
LCS (B284762-BS1)				Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	0.00423	0.00010	mg/L	0.00400		106	80-120			
LCS Dup (B284762-BSD1)				Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	0.00427	0.00010	mg/L	0.00400		107	80-120	0.918	20	
Matrix Spike (B284762-MS1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	0.00418	0.00010	mg/L	0.00400	ND	104	75-125			
Matrix Spike Dup (B284762-MSD1)	**Source: 21F1584-08**			Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	0.00415	0.00010	mg/L	0.00400	ND	104	75-125	0.558	20	
Batch B284972 - SW-846 3005A										
Blank (B284972-BLK1)				Prepared: 06/29/21 Analyzed: 07/01/21						
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 (B284972-BS1)				Prepared: 06/29/21 Analyzed: 07/01/21						
Antimony	522	10	µg/L	500		104	80-120			
Arsenic	499	8.0	µg/L	500		99.8	80-120			
Barium	495	100	µg/L	500		99.0	80-120			
Beryllium	462	4.0	µg/L	500		92.4	80-120			
Cadmium	492	2.0	µg/L	500		98.4	80-120			
Chromium	509	10	µg/L	500		102	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	507	5.0	µg/L	500		101	80-120			
Nickel	521	50	µg/L	500		104	80-120			
Selenium	485	50	µg/L	500		97.0	80-120			
Silver	446	2.0	µg/L	500		89.3	80-120			
Thallium	504	2.0	µg/L	500		101	80-120			
Vanadium	476	50	µg/L	500		95.2	80-120			
Zinc	963	100	µg/L	1000		96.3	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 B284972 - SW-846 3005A										
LCS Dup (B284972-BSD1)				Prepared: 06/29/21 Analyzed: 07/01/21						
Antimony	524	10	µg/L	500		105	80-120	0.261	20	
Arsenic	494	8.0	µg/L	500		98.7	80-120	1.12	20	
Barium	498	100	µg/L	500		99.7	80-120	0.707	20	
Beryllium	460	4.0	µg/L	500		91.9	80-120	0.581	20	
Cadmium	492	2.0	µg/L	500		98.4	80-120	0.0226	20	
Chromium	500	10	µg/L	500		99.9	80-120	1.74	20	
Copper	992	10	µg/L	1000		99.2	80-120	1.83	20	
Lead	501	5.0	µg/L	500		100	80-120	1.32	20	
Nickel	515	50	µg/L	500		103	80-120	1.17	20	
Selenium	476	50	µg/L	500		95.1	80-120	1.94	20	
Silver	444	2.0	µg/L	500		88.8	80-120	0.608	20	
Thallium	494	2.0	µg/L	500		98.8	80-120	1.92	20	
Vanadium	473	50	µg/L	500		94.6	80-120	0.554	20	
Zinc	941	100	µg/L	1000		94.1	80-120	2.24	20	
Matrix Spike (B284972-MS1)	**Source: 21F1584-08**			Prepared: 06/29/21 Analyzed: 07/01/21						
Antimony	547	10	µg/L	500	ND	109	75-125			
Arsenic	548	8.0	µg/L	500	ND	110	75-125			
Barium	938	100	µg/L	500	363	115	75-125			
Beryllium	491	4.0	µg/L	500	ND	98.2	75-125			
Cadmium	539	2.0	µg/L	500	ND	108	75-125			
Chromium	517	10	µg/L	500	ND	103	75-125			
Copper	1040	10	µg/L	1000	3.03	104	75-125			
Lead	552	5.0	µg/L	500	ND	110	75-125			
Nickel	546	50	µg/L	500	5.36	108	75-125			
Selenium	520	50	µg/L	500	ND	104	75-125			
Silver	490	2.0	µg/L	500	ND	98.0	75-125			
Thallium	553	2.0	µg/L	500	ND	111	75-125			
Vanadium	511	50	µg/L	500	ND	102	75-125			
Zinc	1050	100	µg/L	1000	55.6	99.5	75-125			
Matrix Spike Dup (B284972-MSD1)	**Source: 21F1584-08**			Prepared: 06/29/21 Analyzed: 07/01/21						
Antimony	526	10	µg/L	500	ND	105	75-125	3.85	20	
Arsenic	516	8.0	µg/L	500	ND	103	75-125	6.07	20	
Barium	882	100	µg/L	500	363	104	75-125	6.08	20	
Beryllium	464	4.0	µg/L	500	ND	92.8	75-125	5.70	20	
Cadmium	506	2.0	µg/L	500	ND	101	75-125	6.35	20	
Chromium	494	10	µg/L	500	ND	98.8	75-125	4.58	20	
Copper	991	10	µg/L	1000	3.03	98.8	75-125	4.67	20	
Lead	525	5.0	µg/L	500	ND	105	75-125	5.06	20	
Nickel	519	50	µg/L	500	5.36	103	75-125	5.09	20	
Selenium	492	50	µg/L	500	ND	98.4	75-125	5.53	20	
Silver	408	2.0	µg/L	500	ND	81.7	75-125	18.1	20	
Thallium	524	2.0	µg/L	500	ND	105	75-125	5.34	20	
Vanadium	489	50	µg/L	500	ND	97.7	75-125	4.50	20	
Zinc	998	100	µg/L	1000	55.6	94.2	75-125	5.22	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-17	Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high 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
MADEP EPH rev 2.1 in Water	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Acenaphthylene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Benzo(a)anthracene	CT,NC,ME,NH-P
Benzo(a)pyrene	CT,NC,ME,NH-P
Benzo(b)fluoranthene	CT,NC,ME,NH-P
Benzo(g,h,i)perylene	CT,NC,ME,NH-P
Benzo(k)fluoranthene	CT,NC,ME,NH-P
Chrysene	CT,NC,ME,NH-P
Dibenz(a,h)anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
Indeno(1,2,3-cd)pyrene	CT,NC,ME,NH-P
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Phenanthrene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C-D in Water	
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 Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Water	
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH



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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21F1584

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 LLC
Address: 58 Connecticut Ave South Windsor
Phone: 860-282-1700
Project Name: Eversource Energy - Wethersfield
Project Location: Wethersfield, CT
Project Number: 6084-015-2021
Project Manager: Dan Wilson
Con-Test Quote Name/Number: 6084-015-2021
Invoice Recipient: Apex Companies LLC
Sampled By: M. Ludwig

Reporting Turnaround Time: 5-Day ✓ 10-Day ☐ PFAS 10-Day (std) ☐ Due Date:

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

Deliverables: Format: PDF ✓ EXCEL ☐ Other: CLP Like Data Pkg Required: ☐ Email To: dwilson@apexcos.com Fax To #:

Preservation / Hold Samples: ● Field Filtered ○ Lab to Filter

Dissolved Metals Samples: ○ 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	H VOC's 8260	I SVOC's (SIMS for PAH's)	H EPH	V Total RSR metals + mercury	N Dissolved RSR metals
1	TB202106 23	6/23/21	7:30	—	O	L	2					X				
2	AP-12R	6/23/21	8:00	Grab	GW	U	3	4	2			X	X	X	X	
3	AP-3R	6/23/21	9:50	Grab	GW	U	3	4	2			X	X	X	X	
4	AP-11R	6/23/21	12:45	Grab	GW	U	3	4	2			X	X	X	X	
5	DUP202106 23	6/23/21	—	Grab	GW	U	3	4	2			X	X	X	X	
6	TB202106 24	6/24/21	7:00	—	O	L	2					X				
7	AP-6R	6/24/21	8:40	Grab	GW	U	3	4	2			X	X	X	X	
8	AP-15R-BR m/mw	6/24/21	10:20	Grab	GW	U	9	12	6			X	X	X	X	

Relinquished by: (signature) Date/Time: 6/24/21
Received by: (signature) 2.0 3.3 Date/Time: 6-24-21 1355
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:
* Hold Dissolved CT RSR metals *
* Bis(2-Ethylhexyl)phthalate need to be below 2ug/l

Detection Limit Requirements: MA MCP Required ☐ MCP Certification Form Required ☐ CT RCP Required ✓ RCP Certification Form Required ☐ MA State DW Required ☐ PWSID #

Special Requirements: GA CT RSR GA, SVOC, RVC + T/C VC

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

NELAC and AIHA-LAP, LLC Accredited

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

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

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 be held accountable.

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) Trip Blank

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

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

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

Received By CR Date 6/24/21 Time 1355

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 - 20, 3.3, 2.7 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? F MS/MSD? T # EAR 6/24/21

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

Were trip blanks received? T On COC? T

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	30	1 Liter Plastic		16 oz Amb.	
HCL-	28	500 mL Amb.		500 mL Plastic	16	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: Wethersfield, CT

Project Number: 21F1584

Laboratory Sample ID(s):

21F1584-01 thru 21F1584-08

Sample Date(s):

06/23/2021,
06/24/2021

List RCP Methods Used:

MADEP EPH rev 2.1, 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:** **07/01/21**

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

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

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July 2, 2021

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

Project Location: Wethersfield, CT
Client Job Number:
Project Number: 6089-015.2021
Laboratory Work Order Number: 21F1581

Enclosed are results of analyses for samples received by the laboratory on June 24, 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: Don Wilson

REPORT DATE: 7/2/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015.2021

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21F1581

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

PROJECT LOCATION: Wethersfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AP-3R Filtered	21F1581-01	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8270D-E	
AP-15R-BR Filtered	21F1581-02	Ground Water		SW-846 6020B	
				SW-846 7470A	
				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.

SW-846 8270D-E

Qualifications:

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B284982-BLK1, B284982-BS1, B284982-BSD1, S061140-CCV1

Bis(2-Ethylhexyl)phthalate
21F1581-01[AP-3R Filtered], 21F1581-02[AP-15R-BR Filtered], B284982-BLK1, B284982-BS1, B284982-BSD1, S061140-CCV1

Di-n-octylphthalate
B284982-BLK1, B284982-BS1, B284982-BSD1, S061140-CCV1

Pentachloronitrobenzene
B284982-BLK1, B284982-BS1, B284982-BSD1, S061140-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

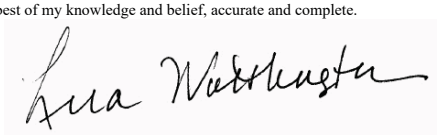
Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21F1581-01[AP-3R Filtered], 21F1581-02[AP-15R-BR Filtered]

Di-n-octylphthalate
21F1581-01[AP-3R Filtered], 21F1581-02[AP-15R-BR Filtered]

Pentachloronitrobenzene
21F1581-01[AP-3R Filtered], 21F1581-02[AP-15R-BR Filtered]

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: Wethersfield, CT | Sample Description: | Work Order: 21F1581

Date Received: 6/24/2021

Field Sample #: AP-3R Filtered | Sampled: 6/23/2021 09:50

Sample ID: 21F1581-01

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	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Acenaphthylene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Aniline	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Anthracene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Benzo(a)anthracene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Benzo(a)pyrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Benzo(b)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Benzo(g,h,i)perylene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Benzo(k)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	µg/L	1	V-06	SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Carbazole	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
4-Chloroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Chrysene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Dibenz(a,h)anthracene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-20	SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1581

Date Received: 6/24/2021

Field Sample #: AP-3R Filtered | Sampled: 6/23/2021 09:50

Sample ID: 21F1581-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Di-n-octylphthalate	ND	9.7	µg/L	1	V-20	SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Fluoranthene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Fluorene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Hexachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Hexachloroethane	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Isophorone	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2-Methylnaphthalene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Naphthalene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
3-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-20	SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Pentachlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Phenanthrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Phenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Pyrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 17:43	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.7	15-110		6/30/21 21:26
Phenol-d6	37.1	15-110		6/30/21 21:26
Nitrobenzene-d5	69.0	30-130		6/30/21 21:26
Nitrobenzene-d5	71.3	30-130		6/30/21 17:43

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1581

Date Received: 6/24/2021

Field Sample #: AP-3R Filtered | Sampled: 6/23/2021 09:50

Sample ID: 21F1581-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorobiphenyl		67.6	30-130					6/30/21 17:43	
2-Fluorobiphenyl		75.3	30-130					6/30/21 21:26	
2,4,6-Tribromophenol		97.5	15-110					6/30/21 21:26	
p-Terphenyl-d14		105	30-130					6/30/21 21:26	
p-Terphenyl-d14		81.0	30-130					6/30/21 17:43	

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21F1581
Date Received: 6/24/2021
Field Sample #: AP-3R Filtered
Sampled: 6/23/2021 09:50
Sample ID: 21F1581-01
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:56	QNW
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Barium	230	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Copper	2.0	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:27	CJV
Nickel	7.1	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW
Zinc	ND	10	3.4	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:37	QNW

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1581

Date Received: 6/24/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 6/23/2021 10:20

Sample ID: 21F1581-02

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	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Acenaphthylene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Aniline	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Anthracene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Benzo(a)anthracene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Benzo(a)pyrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Benzo(b)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Benzo(g,h,i)perylene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Benzo(k)fluoranthene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	µg/L	1	V-06	SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Carbazole	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
4-Chloroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Chrysene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Dibenz(a,h)anthracene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-20	SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1581

Date Received: 6/24/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 6/23/2021 10:20

Sample ID: 21F1581-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Di-n-octylphthalate	ND	9.7	µg/L	1	V-20	SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Fluoranthene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Fluorene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Hexachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Hexachlorocyclopentadiene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Hexachloroethane	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Isophorone	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2-Methylnaphthalene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Naphthalene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
3-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Pentachloronitrobenzene	ND	9.7	µg/L	1	V-20	SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Pentachlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Phenanthrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Phenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Pyrene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:58	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270D-E	6/29/21	6/30/21 21:53	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.4	15-110		6/30/21 21:53
Phenol-d6	36.4	15-110		6/30/21 21:53
Nitrobenzene-d5	84.8	30-130		6/30/21 21:58
Nitrobenzene-d5	70.4	30-130		6/30/21 21:53

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21F1581

Date Received: 6/24/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 6/23/2021 10:20

Sample ID: 21F1581-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorobiphenyl		86.7	30-130					6/30/21 21:58	
2-Fluorobiphenyl		75.6	30-130					6/30/21 21:53	
2,4,6-Tribromophenol		96.8	15-110					6/30/21 21:53	
p-Terphenyl-d14		109	30-130					6/30/21 21:53	
p-Terphenyl-d14		106	30-130					6/30/21 21:58	

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21F1581
Date Received: 6/24/2021
Field Sample #: AP-15R-BR Filtered
Sampled: 6/23/2021 10:20
Sample ID: 21F1581-02
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:59	QNW
Arsenic	2.8	0.80		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Barium	380	10		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Chromium	1.4	1.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Copper	2.7	1.0	0.27	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	6/25/21	6/29/21 11:29	CJV
Nickel	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW
Zinc	29	10	3.4	µg/L	1		SW-846 6020B	6/29/21	7/1/21 14:40	QNW

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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
21F1581-01 [AP-3R Filtered]	B284972	50.0	50.0	06/29/21
21F1581-02 [AP-15R-BR Filtered]	B284972	50.0	50.0	06/29/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1581-01 [AP-3R Filtered]	B284762	6.00	6.00	06/25/21
21F1581-02 [AP-15R-BR Filtered]	B284762	6.00	6.00	06/25/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1581-01 [AP-3R Filtered]	B284982	1030	1.00	06/29/21
21F1581-02 [AP-15R-BR Filtered]	B284982	1030	1.00	06/29/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21F1581-01 [AP-3R Filtered]	B285020	1030	1.00	06/29/21
21F1581-02 [AP-15R-BR Filtered]	B285020	1030	1.00	06/29/21

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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 B284982 - SW-846 3510C										
Blank (B284982-BLK1)				Prepared: 06/29/21 Analyzed: 06/30/21						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	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							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							V-06
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-06
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							V-06
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

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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 B284982 - SW-846 3510C											
Blank (B284982-BLK1)				Prepared: 06/29/21 Analyzed: 06/30/21							
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L							V-06	
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*74.1*		µg/L	200		37.0	15-110				
Surrogate: Phenol-d6	*75.8*		µg/L	200		37.9	15-110				
Surrogate: Nitrobenzene-d5	*73.4*		µg/L	100		73.4	30-130				
Surrogate: 2-Fluorobiphenyl	*82.0*		µg/L	100		82.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*215*		µg/L	200		107	15-110				
Surrogate: p-Terphenyl-d14	*114*		µg/L	100		114	30-130				
LCS (B284982-BS1)				Prepared: 06/29/21 Analyzed: 06/30/21							
Acenaphthene	40.6	5.0	µg/L	50.0		81.3	40-140				
Acenaphthylene	39.4	5.0	µg/L	50.0		78.8	40-140				
Aniline	36.9	5.0	µg/L	50.0		73.8	40-140				†
Anthracene	41.0	5.0	µg/L	50.0		81.9	40-140				
Benzo(a)anthracene	40.8	5.0	µg/L	50.0		81.6	40-140				
Benzo(a)pyrene	39.0	5.0	µg/L	50.0		77.9	40-140				
Benzo(b)fluoranthene	39.3	5.0	µg/L	50.0		78.6	40-140				
Benzo(g,h,i)perylene	42.4	5.0	µg/L	50.0		84.8	40-140				
Benzo(k)fluoranthene	40.3	5.0	µg/L	50.0		80.6	40-140				
Bis(2-chloroethoxy)methane	39.8	10	µg/L	50.0		79.6	40-140				
Bis(2-chloroethyl)ether	33.2	10	µg/L	50.0		66.4	40-140				
Bis(2-chloroisopropyl)ether	40.0	10	µg/L	50.0		80.0	40-140				
Bis(2-Ethylhexyl)phthalate	49.9	10	µg/L	50.0		99.9	40-140			V-06	
4-Bromophenylphenylether	41.5	10	µg/L	50.0		83.1	40-140				
Butylbenzylphthalate	44.2	10	µg/L	50.0		88.4	40-140				
Carbazole	39.6	10	µg/L	50.0		79.2	40-140				
4-Chloroaniline	39.3	10	µg/L	50.0		78.7	40-140				†
4-Chloro-3-methylphenol	44.1	10	µg/L	50.0		88.1	30-130				
2-Chloronaphthalene	36.8	10	µg/L	50.0		73.7	40-140				
2-Chlorophenol	33.2	10	µg/L	50.0		66.4	30-130				
4-Chlorophenylphenylether	41.9	10	µg/L	50.0		83.9	40-140				
Chrysene	40.0	5.0	µg/L	50.0		80.0	40-140				
Dibenz(a,h)anthracene	42.4	5.0	µg/L	50.0		84.8	40-140				
Dibenzofuran	40.9	5.0	µg/L	50.0		81.8	40-140				
Di-n-butylphthalate	44.6	10	µg/L	50.0		89.3	40-140				
3,3-Dichlorobenzidine	50.4	10	µg/L	50.0		101	40-140				†
2,4-Dichlorophenol	41.2	10	µg/L	50.0		82.3	30-130				
Diethylphthalate	44.7	10	µg/L	50.0		89.4	40-140				
2,4-Dimethylphenol	36.7	10	µg/L	50.0		73.3	30-130				
Dimethylphthalate	42.8	10	µg/L	50.0		85.6	40-140				
4,6-Dinitro-2-methylphenol	48.6	10	µg/L	50.0		97.2	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 B284982 - SW-846 3510C										
LCS (B284982-BS1)				Prepared: 06/29/21 Analyzed: 06/30/21						
2,4-Dinitrophenol	54.4	10	µg/L	50.0		109	30-130			V-06
2,4-Dinitrotoluene	45.9	10	µg/L	50.0		91.7	40-140			
2,6-Dinitrotoluene	49.4	10	µg/L	50.0		98.8	40-140			
Di-n-octylphthalate	49.8	10	µg/L	50.0		99.7	40-140			V-06
Fluoranthene	41.4	5.0	µg/L	50.0		82.8	40-140			
Fluorene	41.5	5.0	µg/L	50.0		83.1	40-140			
Hexachlorobenzene	45.0	10	µg/L	50.0		90.0	40-140			
Hexachlorobutadiene	34.8	10	µg/L	50.0		69.6	40-140			
Hexachlorocyclopentadiene	37.0	10	µg/L	50.0		74.0	30-140			
Hexachloroethane	27.8	10	µg/L	50.0		55.6	40-140			
Indeno(1,2,3-cd)pyrene	44.5	5.0	µg/L	50.0		89.1	40-140			
Isophorone	44.6	10	µg/L	50.0		89.3	40-140			
2-Methylnaphthalene	41.7	5.0	µg/L	50.0		83.5	40-140			
2-Methylphenol	34.5	10	µg/L	50.0		69.0	30-130			
3/4-Methylphenol	34.8	10	µg/L	50.0		69.5	30-130			
Naphthalene	34.0	5.0	µg/L	50.0		68.0	40-140			
2-Nitroaniline	54.1	10	µg/L	50.0		108	40-140			
3-Nitroaniline	43.7	10	µg/L	50.0		87.5	40-140			†
4-Nitroaniline	45.8	10	µg/L	50.0		91.6	40-140			
Nitrobenzene	36.6	10	µg/L	50.0		73.2	40-140			
2-Nitrophenol	40.9	10	µg/L	50.0		81.9	30-130			
4-Nitrophenol	25.2	10	µg/L	50.0		50.4	10-130			
N-Nitrosodiphenylamine/Diphenylamine	43.8	10	µg/L	50.0		87.7	40-140			
N-Nitrosodi-n-propylamine	38.5	10	µg/L	50.0		77.0	40-140			
Pentachloronitrobenzene	49.9	10	µg/L	50.0		99.8	40-140			V-06
Pentachlorophenol	43.4	10	µg/L	50.0		86.9	30-130			
Phenanthrene	39.7	5.0	µg/L	50.0		79.5	40-140			
Phenol	17.0	10	µg/L	50.0		34.0	20-130			
Pyrene	37.8	5.0	µg/L	50.0		75.6	40-140			
Pyridine	16.5	5.0	µg/L	50.0		33.0	10-140			†
1,2,4,5-Tetrachlorobenzene	37.5	10	µg/L	50.0		75.0	40-140			
1,2,4-Trichlorobenzene	33.7	5.0	µg/L	50.0		67.5	40-140			
2,4,5-Trichlorophenol	43.9	10	µg/L	50.0		87.9	30-130			
2,4,6-Trichlorophenol	43.4	10	µg/L	50.0		86.7	30-130			
Surrogate: 2-Fluorophenol	*77.8*		µg/L	200		38.9	15-110			
Surrogate: Phenol-d6	*79.5*		µg/L	200		39.7	15-110			
Surrogate: Nitrobenzene-d5	*74.3*		µg/L	100		74.3	30-130			
Surrogate: 2-Fluorobiphenyl	*82.1*		µg/L	100		82.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*217*		µg/L	200		108	15-110			
Surrogate: p-Terphenyl-d14	*107*		µg/L	100		107	30-130			
LCS Dup (B284982-BSD1)				Prepared: 06/29/21 Analyzed: 06/30/21						
Acenaphthene	39.4	5.0	µg/L	50.0		78.9	40-140	3.05	20	
Acenaphthylene	38.4	5.0	µg/L	50.0		76.9	40-140	2.47	20	
Aniline	39.2	5.0	µg/L	50.0		78.5	40-140	6.12	50	† ‡
Anthracene	39.6	5.0	µg/L	50.0		79.1	40-140	3.48	20	
Benzo(a)anthracene	39.6	5.0	µg/L	50.0		79.2	40-140	2.98	20	
Benzo(a)pyrene	37.2	5.0	µg/L	50.0		74.5	40-140	4.52	20	
Benzo(b)fluoranthene	38.6	5.0	µg/L	50.0		77.1	40-140	1.93	20	
Benzo(g,h,i)perylene	40.7	5.0	µg/L	50.0		81.5	40-140	3.99	20	
Benzo(k)fluoranthene	37.9	5.0	µg/L	50.0		75.8	40-140	6.17	20	
Bis(2-chloroethoxy)methane	38.4	10	µg/L	50.0		76.7	40-140	3.66	20	

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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 B284982 - SW-846 3510C											
LCS Dup (B284982-BSD1)				Prepared: 06/29/21 Analyzed: 06/30/21							
Bis(2-chloroethyl)ether	34.2	10	µg/L	50.0		68.3	40-140	2.79	20		
Bis(2-chloroisopropyl)ether	40.3	10	µg/L	50.0		80.6	40-140	0.723	20		
Bis(2-Ethylhexyl)phthalate	49.8	10	µg/L	50.0		99.7	40-140	0.200	20	V-06	
4-Bromophenylphenylether	41.0	10	µg/L	50.0		82.1	40-140	1.21	20		
Butylbenzylphthalate	43.4	10	µg/L	50.0		86.8	40-140	1.80	20		
Carbazole	38.5	10	µg/L	50.0		77.0	40-140	2.77	20		
4-Chloroaniline	37.3	10	µg/L	50.0		74.6	40-140	5.30	20		†
4-Chloro-3-methylphenol	42.2	10	µg/L	50.0		84.5	30-130	4.22	20		
2-Chloronaphthalene	35.2	10	µg/L	50.0		70.4	40-140	4.58	20		
2-Chlorophenol	33.2	10	µg/L	50.0		66.5	30-130	0.181	20		
4-Chlorophenylphenylether	41.1	10	µg/L	50.0		82.3	40-140	1.95	20		
Chrysene	38.6	5.0	µg/L	50.0		77.2	40-140	3.66	20		
Dibenz(a,h)anthracene	41.9	5.0	µg/L	50.0		83.8	40-140	1.28	20		
Dibenzofuran	40.0	5.0	µg/L	50.0		80.1	40-140	2.15	20		
Di-n-butylphthalate	45.2	10	µg/L	50.0		90.4	40-140	1.20	20		
3,3-Dichlorobenzidine	48.7	10	µg/L	50.0		97.4	40-140	3.39	20		† ‡
2,4-Dichlorophenol	38.8	10	µg/L	50.0		77.6	30-130	5.95	20		
Diethylphthalate	43.7	10	µg/L	50.0		87.4	40-140	2.22	20		
2,4-Dimethylphenol	34.5	10	µg/L	50.0		69.0	30-130	6.07	20		
Dimethylphthalate	41.3	10	µg/L	50.0		82.6	40-140	3.57	50		
4,6-Dinitro-2-methylphenol	49.6	10	µg/L	50.0		99.2	30-130	2.02	50		
2,4-Dinitrophenol	53.9	10	µg/L	50.0		108	30-130	0.998	50	V-06	
2,4-Dinitrotoluene	44.2	10	µg/L	50.0		88.3	40-140	3.75	20		
2,6-Dinitrotoluene	47.9	10	µg/L	50.0		95.9	40-140	2.96	20		
Di-n-octylphthalate	49.3	10	µg/L	50.0		98.5	40-140	1.19	20	V-06	
Fluoranthene	40.5	5.0	µg/L	50.0		81.0	40-140	2.12	20		
Fluorene	39.0	5.0	µg/L	50.0		78.1	40-140	6.21	20		
Hexachlorobenzene	44.6	10	µg/L	50.0		89.2	40-140	0.893	20		
Hexachlorobutadiene	34.5	10	µg/L	50.0		68.9	40-140	1.04	20		
Hexachlorocyclopentadiene	35.9	10	µg/L	50.0		71.9	30-140	2.91	50		
Hexachloroethane	28.6	10	µg/L	50.0		57.2	40-140	2.84	50		
Indeno(1,2,3-cd)pyrene	43.1	5.0	µg/L	50.0		86.1	40-140	3.38	50		
Isophorone	43.5	10	µg/L	50.0		86.9	40-140	2.63	20		
2-Methylnaphthalene	40.8	5.0	µg/L	50.0		81.7	40-140	2.18	20		
2-Methylphenol	34.2	10	µg/L	50.0		68.5	30-130	0.756	20		
3/4-Methylphenol	33.9	10	µg/L	50.0		67.8	30-130	2.47	20		
Naphthalene	33.4	5.0	µg/L	50.0		66.8	40-140	1.81	20		
2-Nitroaniline	52.1	10	µg/L	50.0		104	40-140	3.77	20		
3-Nitroaniline	43.4	10	µg/L	50.0		86.7	40-140	0.873	20		†
4-Nitroaniline	44.6	10	µg/L	50.0		89.3	40-140	2.59	20		
Nitrobenzene	35.7	10	µg/L	50.0		71.3	40-140	2.52	20		
2-Nitrophenol	40.6	10	µg/L	50.0		81.3	30-130	0.711	20		
4-Nitrophenol	24.0	10	µg/L	50.0		48.0	10-130	4.84	50		‡
N-Nitrosodiphenylamine/Diphenylamine	43.7	10	µg/L	50.0		87.4	40-140	0.366	20		
N-Nitrosodi-n-propylamine	38.9	10	µg/L	50.0		77.8	40-140	1.03	20		
Pentachloronitrobenzene	50.1	10	µg/L	50.0		100	40-140	0.320	20	V-06	
Pentachlorophenol	42.3	10	µg/L	50.0		84.6	30-130	2.64	50		
Phenanthrene	38.4	5.0	µg/L	50.0		76.7	40-140	3.56	20		
Phenol	16.7	10	µg/L	50.0		33.4	20-130	1.72	20		
Pyrene	37.4	5.0	µg/L	50.0		74.8	40-140	1.04	20		
Pyridine	16.7	5.0	µg/L	50.0		33.3	10-140	1.09	50		†
1,2,4,5-Tetrachlorobenzene	36.1	10	µg/L	50.0		72.1	40-140	3.91	20		

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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 B284982 - SW-846 3510C										
LCS Dup (B284982-BSD1)				Prepared: 06/29/21 Analyzed: 06/30/21						
1,2,4-Trichlorobenzene	33.1	5.0	µg/L	50.0		66.2	40-140	1.88	20	
2,4,5-Trichlorophenol	41.9	10	µg/L	50.0		83.8	30-130	4.75	20	
2,4,6-Trichlorophenol	40.8	10	µg/L	50.0		81.7	30-130	5.96	50	
Surrogate: 2-Fluorophenol	*78.5*		µg/L	200		39.2	15-110			
Surrogate: Phenol-d6	*76.2*		µg/L	200		38.1	15-110			
Surrogate: Nitrobenzene-d5	*74.5*		µg/L	100		74.5	30-130			
Surrogate: 2-Fluorobiphenyl	*77.4*		µg/L	100		77.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*215*		µg/L	200		107	15-110			
Surrogate: p-Terphenyl-d14	*104*		µg/L	100		104	30-130			
Batch B285020 - SW-846 3510C										
Blank (B285020-BLK1)				Prepared: 06/29/21 Analyzed: 06/30/21						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*95.2*		µg/L	100		95.2	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*95.6*		µg/L	100		95.6	30-130			
Surrogate: 2-Fluorobiphenyl	*89.8*		µg/L	100		89.8	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*85.8*		µg/L	100		85.8	30-130			
Surrogate: p-Terphenyl-d14	*111*		µg/L	100		111	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*102*		µg/L	100		102	30-130			
LCS (B285020-BS1)				Prepared: 06/29/21 Analyzed: 06/30/21						
Acenaphthene (SIM)	32.5	6.0	µg/L	50.0		65.0	40-140			
Acenaphthylene (SIM)	33.4	4.0	µg/L	50.0		66.7	40-140			
Anthracene (SIM)	38.9	4.0	µg/L	50.0		77.7	40-140			
Benzo(a)anthracene (SIM)	42.4	1.0	µg/L	50.0		84.9	40-140			
Benzo(a)pyrene (SIM)	36.0	2.0	µg/L	50.0		72.0	40-140			
Benzo(b)fluoranthene (SIM)	40.7	1.0	µg/L	50.0		81.4	40-140			
Benzo(g,h,i)perylene (SIM)	39.2	10	µg/L	50.0		78.3	40-140			
Benzo(k)fluoranthene (SIM)	40.4	4.0	µg/L	50.0		80.8	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	55.1	20	µg/L	50.0		110	40-140			
Chrysene (SIM)	41.5	4.0	µg/L	50.0		83.1	40-140			
Dibenz(a,h)anthracene (SIM)	40.8	2.0	µg/L	50.0		81.6	40-140			
Fluoranthene (SIM)	36.9	10	µg/L	50.0		73.8	40-140			
Fluorene (SIM)	34.0	20	µg/L	50.0		68.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	42.3	2.0	µg/L	50.0		84.6	40-140			

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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 B285020 - SW-846 3510C										
LCS (B285020-BS1)				Prepared: 06/29/21 Analyzed: 06/30/21						
2-Methylnaphthalene (SIM)	38.8	20	µg/L	50.0		77.6	40-140			
Naphthalene (SIM)	32.1	20	µg/L	50.0		64.3	40-140			
Phenanthrene (SIM)	36.9	1.0	µg/L	50.0		73.7	40-140			
Pyrene (SIM)	36.8	20	µg/L	50.0		73.6	40-140			
Surrogate: Nitrobenzene-d5	*67.9*		µg/L	100		67.9	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*71.3*		µg/L	100		71.3	30-130			
Surrogate: 2-Fluorobiphenyl	*62.7*		µg/L	100		62.7	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*67.4*		µg/L	100		67.4	30-130			
Surrogate: p-Terphenyl-d14	*74.6*		µg/L	100		74.6	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*77.7*		µg/L	100		77.7	30-130			
LCS Dup (B285020-BSD1)				Prepared: 06/29/21 Analyzed: 06/30/21						
Acenaphthene (SIM)	33.0	6.0	µg/L	50.0		66.0	40-140	1.47	20	
Acenaphthylene (SIM)	33.9	4.0	µg/L	50.0		67.9	40-140	1.72	20	
Anthracene (SIM)	39.3	4.0	µg/L	50.0		78.6	40-140	1.18	20	
Benzo(a)anthracene (SIM)	42.9	1.0	µg/L	50.0		85.8	40-140	1.12	20	
Benzo(a)pyrene (SIM)	36.4	2.0	µg/L	50.0		72.8	40-140	1.16	20	
Benzo(b)fluoranthene (SIM)	41.4	1.0	µg/L	50.0		82.8	40-140	1.70	20	
Benzo(g,h,i)perylene (SIM)	39.6	10	µg/L	50.0		79.1	40-140	1.02	20	
Benzo(k)fluoranthene (SIM)	41.4	4.0	µg/L	50.0		82.8	40-140	2.40	20	
Bis(2-ethylhexyl)phthalate (SIM)	55.9	20	µg/L	50.0		112	40-140	1.41	20	
Chrysene (SIM)	42.1	4.0	µg/L	50.0		84.1	40-140	1.24	20	
Dibenz(a,h)anthracene (SIM)	40.8	2.0	µg/L	50.0		81.6	40-140	0.00	20	
Fluoranthene (SIM)	37.4	10	µg/L	50.0		74.7	40-140	1.29	20	
Fluorene (SIM)	34.4	20	µg/L	50.0		68.8	40-140	1.17	20	
Indeno(1,2,3-cd)pyrene (SIM)	42.5	2.0	µg/L	50.0		85.0	40-140	0.519	20	
2-Methylnaphthalene (SIM)	40.4	20	µg/L	50.0		80.9	40-140	4.19	20	
Naphthalene (SIM)	33.8	20	µg/L	50.0		67.7	40-140	5.15	20	
Phenanthrene (SIM)	37.3	1.0	µg/L	50.0		74.5	40-140	1.08	20	
Pyrene (SIM)	37.5	20	µg/L	50.0		75.0	40-140	1.83	20	
Surrogate: Nitrobenzene-d5	*67.8*		µg/L	100		67.8	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*74.7*		µg/L	100		74.7	30-130			
Surrogate: 2-Fluorobiphenyl	*67.7*		µg/L	100		67.7	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*68.2*		µg/L	100		68.2	30-130			
Surrogate: p-Terphenyl-d14	*75.1*		µg/L	100		75.1	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*78.2*		µg/L	100		78.2	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 B284762 - SW-846 7470A Prep										
Blank (B284762-BLK1)				Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	ND	0.00010	mg/L							
LCS (B284762-BS1)				Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	0.00423	0.00010	mg/L	0.00400		106	80-120			
LCS Dup (B284762-BSD1)				Prepared: 06/25/21 Analyzed: 06/29/21						
Mercury	0.00427	0.00010	mg/L	0.00400		107	80-120	0.918	20	
Batch B284972 - SW-846 3005A										
Blank (B284972-BLK1)				Prepared: 06/29/21 Analyzed: 07/01/21						
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 (B284972-BS1)				Prepared: 06/29/21 Analyzed: 07/01/21						
Antimony	522	10	µg/L	500		104	80-120			
Arsenic	499	8.0	µg/L	500		99.8	80-120			
Barium	495	100	µg/L	500		99.0	80-120			
Beryllium	462	4.0	µg/L	500		92.4	80-120			
Cadmium	492	2.0	µg/L	500		98.4	80-120			
Chromium	509	10	µg/L	500		102	80-120			
Copper	1010	10	µg/L	1000		101	80-120			
Lead	507	5.0	µg/L	500		101	80-120			
Nickel	521	50	µg/L	500		104	80-120			
Selenium	485	50	µg/L	500		97.0	80-120			
Silver	446	2.0	µg/L	500		89.3	80-120			
Thallium	504	2.0	µg/L	500		101	80-120			
Vanadium	476	50	µg/L	500		95.2	80-120			
Zinc	963	100	µg/L	1000		96.3	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 B284972 - SW-846 3005A										
LCS Dup (B284972-BSD1)				Prepared: 06/29/21 Analyzed: 07/01/21						
Antimony	524	10	µg/L	500		105	80-120	0.261	20	
Arsenic	494	8.0	µg/L	500		98.7	80-120	1.12	20	
Barium	498	100	µg/L	500		99.7	80-120	0.707	20	
Beryllium	460	4.0	µg/L	500		91.9	80-120	0.581	20	
Cadmium	492	2.0	µg/L	500		98.4	80-120	0.0226	20	
Chromium	500	10	µg/L	500		99.9	80-120	1.74	20	
Copper	992	10	µg/L	1000		99.2	80-120	1.83	20	
Lead	501	5.0	µg/L	500		100	80-120	1.32	20	
Nickel	515	50	µg/L	500		103	80-120	1.17	20	
Selenium	476	50	µg/L	500		95.1	80-120	1.94	20	
Silver	444	2.0	µg/L	500		88.8	80-120	0.608	20	
Thallium	494	2.0	µg/L	500		98.8	80-120	1.92	20	
Vanadium	473	50	µg/L	500		94.6	80-120	0.554	20	
Zinc	941	100	µg/L	1000		94.1	80-120	2.24	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-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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 8270D-E in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Water	
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH



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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	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

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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 Companies LLC
Address: 58 H Connecticut Ave
Phone: 460-282-1700
Project Name: Eversource Energy-Wethersfield
Project Location: Wethersfield CT
Project Number: 0084-015-2021
Project Manager: Dan Wilson
Con-Test Quote Name/Number: 0084-015-2021
Invoice Recipient: Apex Companies LLC
Sampled By: M. Ludwig

Turnaround Time: 7-Day ✓ 10-Day ☐ PFAS 10-Day (std) ☐ Due Date:
Turn Around Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Report Results To: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Package: Format: PDF ✓ 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	SVOC's (SIMs for PAHs) H	RSR Metals N
	AP-3R Filtered	6/23/21	9:50	Grab	GW	U		2	1			X	X
	AP-15R-BR Filtered	6/24/21	10:20	Grab	GW	U		2	1			X	X

Container Description
Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

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

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

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

Relinquished by: (signature)	Date/Time: 6/24/21
Received by: (signature)	Date/Time: 6/24/21 1335
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: * Bis(2-Ethylhexyl)phthalate needs to be below 2ug/L

Detection Limit Requirements
MCP:
Other: CT RSR GA SVOC, RVC T ✓ VC

Program Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☐ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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

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 be held accountable.

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

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

Received By GA Date 6/24/21 Time 1355

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 - 4.6

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? NA MS/MSD? F

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

Were trip blanks received? F On COC? F

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	4	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic	2	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: Wethersfield, CT

Project Number: 21F1581

Laboratory Sample ID(s):
21F1581-01 thru 21F1581-02

Sample Date(s):
06/23/2021

List RCP Methods Used:

, , SW-846 6020B, SW-846 7470A, 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:** **07/02/21**

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

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

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October 5, 2021

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

Project Location: EE-Wethersfield
Client Job Number:
Project Number: 6089-015
Laboratory Work Order Number: 21I1392

Enclosed are results of analyses for samples as received by the laboratory on September 24, 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: Don Wilson

REPORT DATE: 10/5/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21I1392

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

PROJECT LOCATION: EE-Wethersfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB20210923	21I1392-01	Ground Water		SW-846 8260D	
AP-3R	21I1392-02	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
AP-11R	21I1392-03	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
DUP20210923	21I1392-04	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
AP-12R	21I1392-05	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
AP-15R-BR	21I1392-06	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
TB20210924	21I1392-07	Ground Water		SW-846 8260D	
AP-6R	21I1392-08	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

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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 a select list of PAHs was analyzed and reported in order to achieve lower detection limits than possible with EPH analysis.

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MADEP EPH rev 2.1

Qualifications:

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

Chlorooctadecane (COD)
B291262-BLK1

o-Terphenyl (OTP)
B291262-BLK1

SW-846 8260D

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
B291091-BS1

Chloromethane
B291091-BS1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Chloromethane
B291091-MS1, B291091-MSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B291091-MS1, B291091-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1,1,2-Tetrachloroethane
B291091-MS1

1,2,3-Trichloropropane
B291091-MS1

Tetrachloroethylene
B291091-MS1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
21I1392-01[TB20210923], 21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-07[TB20210924], 21I1392-08[AP-6R], B291091-BLK1, B291091-BS1, B291091-MS1, B291091-MSD1, S063668-CCV1

Chloromethane
21I1392-01[TB20210923], 21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-07[TB20210924], 21I1392-08[AP-6R], B291091-BLK1, B291091-BS1, B291091-MS1, B291091-MSD1, S063668-CCV1

Naphthalene
21I1392-01[TB20210923], 21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-07[TB20210924], 21I1392-08[AP-6R], B291091-BLK1, B291091-BS1, B291091-MS1, B291091-MSD1, S063668-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1,1,2-Tetrachloroethane
B291091-BS1, B291091-MS1, B291091-MSD1, S063668-CCV1

Bromomethane
B291091-BS1, B291091-MS1, B291091-MSD1, S063668-CCV1

Tetrachloroethylene
B291091-BS1, B291091-MS1, B291091-MSD1, S063668-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
21I1392-01[TB20210923], 21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-07[TB20210924], 21I1392-08[AP-6R], B291091-BLK1, B291091-BS1, B291091-MS1, B291091-MSD1, S063668-CCV1

Chloromethane
21I1392-01[TB20210923], 21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-07[TB20210924], 21I1392-08[AP-6R], B291091-BLK1, S063668-CCV1

SW-846 8270E

Qualifications:

L-04

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-05[AP-12R], B291370-BLK1, B291370-BS1, B291370-BSD1

L-07

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
B291375-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Pyridine
21I1392-06[AP-15R-BR], B291375-MS1, B291375-MSD1

R-05

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

Analyte & Samples(s) Qualified:

Bis(2-chloroethyl)ether
21I1392-06[AP-15R-BR], 21I1392-08[AP-6R], B291375-BLK1, B291375-BS1, B291375-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-08[AP-6R]

Pentachlorophenol
21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-08[AP-6R]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21I1392-03[AP-11R], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-08[AP-6R], B291260-BLK1, B291260-BS1, B291260-BSD1, B291375-BLK1, B291375-MS1, B291375-MSD1, S063784-CCV1, S063810-CCV1, S063860-CCV1

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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:

2,4-Dinitrophenol
21I1392-02[AP-3R], 21I1392-04[DUP20210923], B291370-BLK1, B291370-BS1, B291370-BSD1, B291375-BS1, B291375-BSD1

Hexachlorocyclopentadiene
21I1392-02[AP-3R], 21I1392-04[DUP20210923], B291370-BLK1, B291370-BS1, B291370-BSD1, B291375-BS1, B291375-BSD1, S063807-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B291260-BS1, B291260-BSD1, B291375-MS1, B291375-MSD1, S063784-CCV1, S063810-CCV1, S063860-CCV1

2-Nitroaniline
B291375-MS1, B291375-MSD1, S063810-CCV1, S063860-CCV1

Bis(2-chloroethyl)ether
S063860-CCV1

Bis(2-chloroisopropyl)ether
S063860-CCV1

Bis(2-ethylhexyl)phthalate (SIM)
B291400-BS1, B291400-BSD1, B291541-MS1, B291541-MSD1, S063774-CCV1, S063837-CCV1, S063862-CCV1

Di-n-octylphthalate
B291370-BS1, B291370-BSD1, B291375-BS1, B291375-BSD1, S063807-CCV1

N-Nitrosodi-n-propylamine
S063860-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21I1392-03[AP-11R], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-08[AP-6R], B291260-BLK1, B291375-BLK1

2-Nitroaniline
21I1392-03[AP-11R], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-08[AP-6R], B291375-BLK1

Bis(2-chloroethyl)ether
21I1392-08[AP-6R]

Bis(2-chloroisopropyl)ether
21I1392-08[AP-6R]

Bis(2-ethylhexyl)phthalate (SIM)
21I1392-03[AP-11R], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-08[AP-6R], B291400-BLK1, B291541-BLK1

Di-n-octylphthalate
21I1392-02[AP-3R], 21I1392-04[DUP20210923], B291370-BLK1

N-Nitrosodi-n-propylamine
21I1392-08[AP-6R]

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:

4-Chloroaniline
21I1392-02[AP-3R], 21I1392-03[AP-11R], 21I1392-04[DUP20210923], 21I1392-05[AP-12R], 21I1392-06[AP-15R-BR], 21I1392-08[AP-6R], B291260-BLK1, B291260-BS1, B291260-BSD1, B291370-BLK1, B291370-BS1, B291370-BSD1, B291375-BLK1, B291375-MS1, B291375-MSD1, S063784-CCV1, S063810-CCV1, S063860-CCV1

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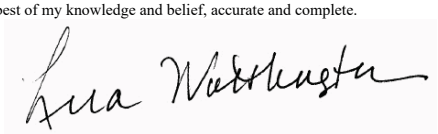
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in 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: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: TB20210923 | Sampled: 9/23/2021 08:00

Sample ID: 21I1392-01

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 8260D	9/27/21	9/27/21 12:47	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 12:47	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 12:47	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: TB20210923 | Sampled: 9/23/2021 08:00

Sample ID: 21I1392-01

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 8260D	9/27/21	9/27/21 12:47	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 12:47	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 12:47	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	77.8	70-130		9/27/21 12:47
Toluene-d8	96.3	70-130		9/27/21 12:47
4-Bromofluorobenzene	102	70-130		9/27/21 12:47

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-3R | Sampled: 9/23/2021 09:30

Sample ID: 21I1392-02

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 8260D	9/27/21	9/27/21 16:17	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 16:17	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 16:17	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-3R | Sampled: 9/23/2021 09:30

Sample ID: 21I1392-02

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 8260D	9/27/21	9/27/21 16:17	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 16:17	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 16:17	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	77.5	70-130		9/27/21 16:17
Toluene-d8	96.6	70-130		9/27/21 16:17
4-Bromofluorobenzene	103	70-130		9/27/21 16:17

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-3R | Sampled: 9/23/2021 09:30

Sample ID: 21I1392-02

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 8270E	9/30/21	10/1/21 13:21	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Aniline	ND	5.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Carbazole	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	9/30/21	10/1/21 11:44	IMR
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Chrysene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Di-n-octylphthalate	ND	10	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 11:44	IMR

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-3R | Sampled: 9/23/2021 09:30

Sample ID: 21I1392-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Hexachlorocyclopentadiene	ND	10	µg/L	1	L-04, V-05	SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/29/21	10/4/21 15:46	IMR
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 13:21	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:44	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.2	15-110		10/1/21 11:44
Phenol-d6	29.7	15-110		10/1/21 11:44
Nitrobenzene-d5	66.9	30-130		10/1/21 13:21
Nitrobenzene-d5	62.6	30-130		10/1/21 11:44
2-Fluorobiphenyl	72.3	30-130		10/1/21 11:44
2-Fluorobiphenyl	57.5	30-130		10/1/21 13:21
2,4,6-Tribromophenol	65.4	15-110		10/1/21 11:44
p-Terphenyl-d14	65.8	30-130		10/1/21 13:21
p-Terphenyl-d14	84.8	30-130		10/1/21 11:44
o-Terphenyl (OTP)	86.7	30-130		10/4/21 15:46

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-3R | Sampled: 9/23/2021 09:30

Sample ID: 21I1392-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
C19-C36 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
Unadjusted C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 16:54	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	64.0	40-140		10/2/21 16:54
o-Terphenyl (OTP)	73.6	40-140		10/2/21 16:54
2-Bromonaphthalene	96.8	40-140		10/2/21 16:54
2-Fluorobiphenyl	97.8	40-140		10/2/21 16:54

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-3R | Sampled: 9/23/2021 09:30

Sample ID: 21I1392-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Barium	210	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/4/21 14:14	QNW
Cadmium	0.068	0.20	0.027	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Copper	2.2	1.0	0.27	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:25	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:43	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 17:34	QNW
Zinc	4.3	10	3.4	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:43	QNW

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-11R | Sampled: 9/23/2021 12:40

Sample ID: 21I1392-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 14:32	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 14:32	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-11R | Sampled: 9/23/2021 12:40

Sample ID: 21I1392-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 14:32	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:32	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.6	70-130		9/27/21 14:32
Toluene-d8	95.2	70-130		9/27/21 14:32
4-Bromofluorobenzene	100	70-130		9/27/21 14:32

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-11R | Sampled: 9/23/2021 12:40

Sample ID: 21I1392-03

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	0.30	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Aniline	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Benzo(a)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Benzo(a)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Bis(2-chloroethoxy)methane	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Bis(2-chloroethyl)ether	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Bis(2-chloroisopropyl)ether	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.99	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
4-Bromophenylphenylether	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Butylbenzylphthalate	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Carbazole	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
4-Chloroaniline	ND	9.9	µg/L	1	V-34	SW-846 8270E	9/30/21	10/1/21 16:41	IMR
4-Chloro-3-methylphenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2-Chloronaphthalene	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2-Chlorophenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
4-Chlorophenylphenylether	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Chrysene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Di-n-butylphthalate	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
3,3-Dichlorobenzidine	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2,4-Dichlorophenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Diethylphthalate	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2,4-Dimethylphenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Dimethylphthalate	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
4,6-Dinitro-2-methylphenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2,4-Dinitrophenol	ND	9.9	µg/L	1	V-04, V-20	SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2,4-Dinitrotoluene	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2,6-Dinitrotoluene	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Di-n-octylphthalate	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-11R | Sampled: 9/23/2021 12:40

Sample ID: 21I1392-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Fluorene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Hexachlorobutadiene	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Hexachlorocyclopentadiene	ND	9.9	µg/L	1	L-04	SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.099	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Isophorone	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2-Methylnaphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
2-Methylphenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
3/4-Methylphenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Naphthalene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
2-Nitroaniline	ND	9.9	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 16:41	IMR
3-Nitroaniline	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
4-Nitroaniline	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Nitrobenzene	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2-Nitrophenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
4-Nitrophenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
N-Nitrosodi-n-propylamine	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Pentachloronitrobenzene	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Pentachlorophenol	ND	4.9	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:09	IMR
Phenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
Pyrene (SIM)	ND	0.99	µg/L	1		SW-846 8270E	9/30/21	10/1/21 18:45	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2,4,5-Trichlorophenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR
2,4,6-Trichlorophenol	ND	9.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:41	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.2	15-110		10/1/21 16:41
Phenol-d6	31.8	15-110		10/1/21 16:41
Nitrobenzene-d5	55.9	30-130		10/1/21 18:45
Nitrobenzene-d5	76.1	30-130		10/1/21 16:41
2-Fluorobiphenyl	49.1	30-130		10/1/21 18:45
2-Fluorobiphenyl	78.5	30-130		10/1/21 16:41
2,4,6-Tribromophenol	91.3	15-110		10/1/21 16:41
p-Terphenyl-d14	84.0	30-130		10/1/21 18:45
p-Terphenyl-d14	106	30-130		10/1/21 16:41
o-Terphenyl (OTP)	94.6	30-130		10/4/21 16:09

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Date Received: 9/24/2021

Field Sample #: AP-11R | Sampled: 9/23/2021 12:40

Sample ID: 21I1392-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	99	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
C19-C36 Aliphatics	ND	99	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
Unadjusted C11-C22 Aromatics	ND	99	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
C11-C22 Aromatics	ND	99	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:14	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	68.1	40-140		10/2/21 17:14
o-Terphenyl (OTP)	57.1	40-140		10/2/21 17:14
2-Bromonaphthalene	87.2	40-140		10/2/21 17:14
2-Fluorobiphenyl	89.0	40-140		10/2/21 17:14

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-11R | Sampled: 9/23/2021 12:40

Sample ID: 21I1392-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Arsenic	1.8	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Barium	73	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/4/21 14:17	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Chromium	2.0	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Copper	0.76	1.0	0.27	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:27	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 17:37	QNW
Zinc	ND	10	3.4	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:46	QNW

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: DUP20210923 | Sampled: 9/23/2021 00:00

Sample ID: 21I1392-04

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 8260D	9/27/21	9/27/21 14:58	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 14:58	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 14:58	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: DUP20210923 | Sampled: 9/23/2021 00:00

Sample ID: 21I1392-04

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 8260D	9/27/21	9/27/21 14:58	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 14:58	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:58	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	77.4	70-130		9/27/21 14:58
Toluene-d8	96.3	70-130		9/27/21 14:58
4-Bromofluorobenzene	101	70-130		9/27/21 14:58

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: DUP20210923 | Sampled: 9/23/2021 00:00

Sample ID: 21I1392-04

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	0.33	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Acenaphthylene (SIM)	ND	0.22	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Aniline	ND	5.4	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Anthracene (SIM)	ND	0.22	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Benzo(a)anthracene (SIM)	ND	0.054	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Benzo(a)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Benzo(b)fluoranthene (SIM)	ND	0.054	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.54	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Benzo(k)fluoranthene (SIM)	ND	0.22	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Bis(2-chloroethoxy)methane	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Bis(2-chloroethyl)ether	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Bis(2-chloroisopropyl)ether	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.2	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
4-Bromophenylphenylether	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Butylbenzylphthalate	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Carbazole	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
4-Chloroaniline	ND	11	µg/L	1	V-34	SW-846 8270E	9/29/21	10/1/21 12:11	IMR
4-Chloro-3-methylphenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2-Chloronaphthalene	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2-Chlorophenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
4-Chlorophenylphenylether	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Chrysene (SIM)	ND	0.22	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Chrysene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Dibenzofuran	ND	5.4	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Di-n-butylphthalate	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
3,3-Dichlorobenzidine	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2,4-Dichlorophenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Diethylphthalate	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2,4-Dimethylphenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Dimethylphthalate	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
4,6-Dinitro-2-methylphenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2,4-Dinitrophenol	ND	11	µg/L	1	V-05	SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2,4-Dinitrotoluene	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2,6-Dinitrotoluene	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Di-n-octylphthalate	ND	11	µg/L	1	V-20	SW-846 8270E	9/29/21	10/1/21 12:11	IMR

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: DUP20210923 | Sampled: 9/23/2021 00:00

Sample ID: 21I1392-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.54	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Fluorene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Hexachlorobenzene	ND	2.2	µg/L	1	RL-03	SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Hexachlorobutadiene	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Hexachlorocyclopentadiene	ND	11	µg/L	1	V-05	SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Hexachloroethane	ND	2.2	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Isophorone	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2-Methylnaphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
2-Methylphenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
3/4-Methylphenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Naphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
2-Nitroaniline	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
3-Nitroaniline	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
4-Nitroaniline	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Nitrobenzene	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2-Nitrophenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
4-Nitrophenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
N-Nitrosodi-n-propylamine	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Pentachloronitrobenzene	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Pentachlorophenol	ND	5.4	µg/L	1	RL-03	SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Phenanthrene (SIM)	ND	0.054	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:32	IMR
Phenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
Pyrene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/29/21	10/1/21 10:30	IMR
Pyridine	ND	5.4	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
1,2,4,5-Tetrachlorobenzene	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
1,2,4-Trichlorobenzene	ND	5.4	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2,4,5-Trichlorophenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR
2,4,6-Trichlorophenol	ND	11	µg/L	1		SW-846 8270E	9/29/21	10/1/21 12:11	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.4	15-110		10/1/21 12:11
Phenol-d6	29.7	15-110		10/1/21 12:11
Nitrobenzene-d5	47.7	30-130		10/1/21 10:30
Nitrobenzene-d5	52.6	30-130		10/1/21 12:11
2-Fluorobiphenyl	43.9	30-130		10/1/21 10:30
2-Fluorobiphenyl	58.9	30-130		10/1/21 12:11
2,4,6-Tribromophenol	55.4	15-110		10/1/21 12:11
p-Terphenyl-d14	56.4	30-130		10/1/21 10:30
p-Terphenyl-d14	66.9	30-130		10/1/21 12:11
o-Terphenyl (OTP)	81.2	30-130		10/4/21 16:32

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: DUP20210923 | Sampled: 9/23/2021 00:00

Sample ID: 21I1392-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	96	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
C19-C36 Aliphatics	ND	96	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
Unadjusted C11-C22 Aromatics	ND	96	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
C11-C22 Aromatics	ND	96	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:35	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	51.2	40-140		10/2/21 17:35
o-Terphenyl (OTP)	62.8	40-140		10/2/21 17:35
2-Bromonaphthalene	94.6	40-140		10/2/21 17:35
2-Fluorobiphenyl	93.3	40-140		10/2/21 17:35

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: DUP20210923 | Sampled: 9/23/2021 00:00

Sample ID: 21I1392-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Arsenic	1.1	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Barium	220	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/4/21 14:19	QNW
Cadmium	0.079	0.20	0.027	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Copper	2.2	1.0	0.27	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:29	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:49	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 17:40	QNW
Zinc	5.2	10	3.4	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:49	QNW

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-12R | Sampled: 9/23/2021 11:00

Sample ID: 21I1392-05

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 8260D	9/27/21	9/27/21 15:24	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 15:24	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 15:24	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-12R | Sampled: 9/23/2021 11:00

Sample ID: 21I1392-05

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 8260D	9/27/21	9/27/21 15:24	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 15:24	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:24	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.0	70-130		9/27/21 15:24
Toluene-d8	96.2	70-130		9/27/21 15:24
4-Bromofluorobenzene	102	70-130		9/27/21 15:24

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-12R | Sampled: 9/23/2021 11:00

Sample ID: 21I1392-05

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 8270E	9/30/21	10/1/21 19:08	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Aniline	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Carbazole	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	9/30/21	10/1/21 17:06	IMR
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Chrysene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2,4-Dinitrophenol	ND	10	µg/L	1	V-04, V-20	SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-12R | Sampled: 9/23/2021 11:00

Sample ID: 21I1392-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Hexachlorocyclopentadiene	ND	10	µg/L	1	L-04	SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
2-Nitroaniline	ND	10	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 17:06	IMR
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Pentachlorophenol	ND	5.1	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Phenanthrene (SIM)	0.50	0.048	µg/L	1		SW-846 8270E	9/29/21	10/4/21 16:54	IMR
Phenanthrene (SIM)	0.11	0.051	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 19:08	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:06	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.5	15-110		10/1/21 17:06
Phenol-d6	33.6	15-110		10/1/21 17:06
Nitrobenzene-d5	80.9	30-130		10/1/21 17:06
Nitrobenzene-d5	66.5	30-130		10/1/21 19:08
2-Fluorobiphenyl	54.0	30-130		10/1/21 19:08
2-Fluorobiphenyl	78.0	30-130		10/1/21 17:06
2,4,6-Tribromophenol	79.8	15-110		10/1/21 17:06
p-Terphenyl-d14	88.3	30-130		10/1/21 17:06
p-Terphenyl-d14	78.7	30-130		10/1/21 19:08
o-Terphenyl (OTP)	93.8	30-130		10/4/21 16:54

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-12R | Sampled: 9/23/2021 11:00

Sample ID: 21I1392-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
C19-C36 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
Unadjusted C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/29/21	10/2/21 17:56	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	70.1	40-140		10/2/21 17:56
o-Terphenyl (OTP)	71.9	40-140		10/2/21 17:56
2-Bromonaphthalene	107	40-140		10/2/21 17:56
2-Fluorobiphenyl	108	40-140		10/2/21 17:56

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-12R | Sampled: 9/23/2021 11:00

Sample ID: 21I1392-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Arsenic	0.82	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Barium	180	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/4/21 14:21	QNW
Cadmium	0.039	0.20	0.027	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Chromium	1.4	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Copper	3.5	1.0	0.27	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Lead	1.3	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:30	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 17:43	QNW
Zinc	40	10	3.4	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:51	QNW

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-15R-BR | Sampled: 9/24/2021 08:30

Sample ID: 21I1392-06

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 8260D	9/27/21	9/27/21 14:06	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 14:06	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 14:06	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-15R-BR | Sampled: 9/24/2021 08:30

Sample ID: 21I1392-06

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 8260D	9/27/21	9/27/21 14:06	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 14:06	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 14:06	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.4	70-130		9/27/21 14:06
Toluene-d8	96.1	70-130		9/27/21 14:06
4-Bromofluorobenzene	102	70-130		9/27/21 14:06

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-15R-BR | Sampled: 9/24/2021 08:30

Sample ID: 21I1392-06

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 (SIM)	ND	0.31	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Acenaphthylene (SIM)	ND	0.18	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Aniline	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Benzo(a)anthracene (SIM)	ND	0.046	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Benzo(a)pyrene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Benzo(b)fluoranthene (SIM)	ND	0.046	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Benzo(k)fluoranthene (SIM)	ND	0.18	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Bis(2-chloroethyl)ether	ND	10	µg/L	1	R-05	SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Carbazole	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	9/30/21	10/1/21 16:14	IMR
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Chrysene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2,4-Dinitrophenol	ND	10	µg/L	1	V-04, V-20	SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-15R-BR | Sampled: 9/24/2021 08:30

Sample ID: 21I1392-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
2-Nitroaniline	ND	10	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 16:14	IMR
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Pentachlorophenol	ND	5.1	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Phenanthrene (SIM)	ND	0.046	µg/L	1		SW-846 8270E	9/30/21	10/5/21 9:24	IMR
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:37	IMR
Pyridine	ND	5.1	µg/L	1	MS-09	SW-846 8270E	9/30/21	10/1/21 16:14	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/1/21 16:14	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.4	15-110		10/1/21 16:14
Phenol-d6	27.8	15-110		10/1/21 16:14
Nitrobenzene-d5	65.1	30-130		10/1/21 16:14
Nitrobenzene-d5	46.2	30-130		10/1/21 17:37
2-Fluorobiphenyl	41.8	30-130		10/1/21 17:37
2-Fluorobiphenyl	58.6	30-130		10/1/21 16:14
2,4,6-Tribromophenol	67.7	15-110		10/1/21 16:14
p-Terphenyl-d14	76.6	30-130		10/1/21 16:14
p-Terphenyl-d14	70.9	30-130		10/1/21 17:37
o-Terphenyl (OTP)	44.0	30-130		10/5/21 9:24

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-15R-BR | Sampled: 9/24/2021 08:30

Sample ID: 21I1392-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
C19-C36 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
Unadjusted C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/4/21 21:53	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	45.6	40-140		10/4/21 21:53
o-Terphenyl (OTP)	56.3	40-140		10/4/21 21:53
2-Bromonaphthalene	77.0	40-140		10/4/21 21:53
2-Fluorobiphenyl	78.1	40-140		10/4/21 21:53

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-15R-BR | Sampled: 9/24/2021 08:30

Sample ID: 21I1392-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Arsenic	2.2	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Barium	130	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:52	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Copper	4.9	1.0	0.27	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:03	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:52	QNW
Zinc	580	10	3.4	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:05	QNW

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: TB20210924 | Sampled: 9/24/2021 07:00

Sample ID: 21I1392-07

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 8260D	9/27/21	9/27/21 13:13	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 13:13	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 13:13	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: TB20210924 | Sampled: 9/24/2021 07:00

Sample ID: 21I1392-07

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 8260D	9/27/21	9/27/21 13:13	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 13:13	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 13:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	78.4	70-130		9/27/21 13:13
Toluene-d8	95.6	70-130		9/27/21 13:13
4-Bromofluorobenzene	103	70-130		9/27/21 13:13

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-6R | Sampled: 9/24/2021 13:10

Sample ID: 21I1392-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	9/27/21	9/27/21 15:51	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Chloromethane	ND	0.60	µg/L	1	V-05, V-34	SW-846 8260D	9/27/21	9/27/21 15:51	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-6R | Sampled: 9/24/2021 13:10

Sample ID: 21I1392-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/27/21	9/27/21 15:51	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/27/21	9/27/21 15:51	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	78.6	70-130		9/27/21 15:51
Toluene-d8	96.2	70-130		9/27/21 15:51
4-Bromofluorobenzene	102	70-130		9/27/21 15:51

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-6R | Sampled: 9/24/2021 13:10

Sample ID: 21I1392-08

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	0.31	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Acenaphthylene (SIM)	ND	0.18	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Aniline	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Benzo(a)anthracene (SIM)	ND	0.046	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Benzo(a)pyrene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Benzo(b)fluoranthene (SIM)	ND	0.046	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Benzo(k)fluoranthene (SIM)	ND	0.18	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1	R-05, V-20	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	V-20	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1	V-20	SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Chrysene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-04, V-20	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-6R | Sampled: 9/24/2021 13:10

Sample ID: 21I1392-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.092	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
2-Nitroaniline	ND	10	µg/L	1	V-20	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1	V-20	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Pentachlorophenol	ND	5.1	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Phenanthrene (SIM)	ND	0.046	µg/L	1		SW-846 8270E	9/30/21	10/4/21 17:17	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	9/30/21	10/4/21 9:15	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	9/30/21	10/2/21 19:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.9	15-110		10/2/21 19:25
Phenol-d6	34.1	15-110		10/2/21 19:25
Nitrobenzene-d5	79.3	30-130		10/2/21 19:25
Nitrobenzene-d5	63.6	30-130		10/4/21 9:15
2-Fluorobiphenyl	52.8	30-130		10/4/21 9:15
2-Fluorobiphenyl	72.8	30-130		10/2/21 19:25
2,4,6-Tribromophenol	78.0	15-110		10/2/21 19:25
p-Terphenyl-d14	77.1	30-130		10/4/21 9:15
p-Terphenyl-d14	88.9	30-130		10/2/21 19:25
o-Terphenyl (OTP)	88.5	30-130		10/4/21 17:17

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-6R | Sampled: 9/24/2021 13:10

Sample ID: 21I1392-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	92	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
C19-C36 Aliphatics	ND	92	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
Unadjusted C11-C22 Aromatics	ND	92	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
C11-C22 Aromatics	ND	92	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
Acenaphthene	ND	1.8	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
Anthracene	ND	1.8	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
Fluoranthene	ND	1.8	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
Fluorene	ND	1.8	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
2-Methylnaphthalene	ND	1.8	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
Naphthalene	ND	1.8	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH
Pyrene	ND	1.8	µg/L	1		MADEP EPH rev 2.1	9/30/21	10/2/21 20:42	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	66.0	40-140		10/2/21 20:42
o-Terphenyl (OTP)	64.1	40-140		10/2/21 20:42
2-Bromonaphthalene	94.8	40-140		10/2/21 20:42
2-Fluorobiphenyl	97.2	40-140		10/2/21 20:42

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1392

Date Received: 9/24/2021

Field Sample #: AP-6R | Sampled: 9/24/2021 13:10

Sample ID: 21I1392-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Arsenic	1.9	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Barium	170	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/4/21 14:28	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Chromium	1.4	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Copper	1.6	1.0	0.27	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:32	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 17:47	QNW
Zinc	ND	10	3.4	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:54	QNW

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-02 [AP-3R]	B291262	920	1.80	09/29/21
21I1392-03 [AP-11R]	B291262	1010	2.00	09/29/21
21I1392-04 [DUP20210923]	B291262	890	1.70	09/29/21
21I1392-05 [AP-12R]	B291262	980	1.90	09/29/21

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-06 [AP-15R-BR]	B291388	980	1.90	09/30/21
21I1392-08 [AP-6R]	B291388	980	1.80	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-02 [AP-3R]	B291477	50.0	50.0	10/01/21
21I1392-03 [AP-11R]	B291477	50.0	50.0	10/01/21
21I1392-04 [DUP20210923]	B291477	50.0	50.0	10/01/21
21I1392-05 [AP-12R]	B291477	50.0	50.0	10/01/21
21I1392-06 [AP-15R-BR]	B291477	50.0	50.0	10/01/21
21I1392-08 [AP-6R]	B291477	50.0	50.0	10/01/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-02 [AP-3R]	B291184	6.00	6.00	09/28/21
21I1392-03 [AP-11R]	B291184	6.00	6.00	09/28/21
21I1392-04 [DUP20210923]	B291184	6.00	6.00	09/28/21
21I1392-05 [AP-12R]	B291184	6.00	6.00	09/28/21
21I1392-06 [AP-15R-BR]	B291184	6.00	6.00	09/28/21
21I1392-08 [AP-6R]	B291184	6.00	6.00	09/28/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-01 [TB20210923]	B291091	5	5.00	09/27/21
21I1392-02 [AP-3R]	B291091	5	5.00	09/27/21
21I1392-03 [AP-11R]	B291091	5	5.00	09/27/21
21I1392-04 [DUP20210923]	B291091	5	5.00	09/27/21
21I1392-05 [AP-12R]	B291091	5	5.00	09/27/21
21I1392-06 [AP-15R-BR]	B291091	5	5.00	09/27/21
21I1392-07 [TB20210924]	B291091	5	5.00	09/27/21
21I1392-08 [AP-6R]	B291091	5	5.00	09/27/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-04 [DUP20210923]	B291260	920	1.00	09/29/21

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-02 [AP-3R]	B291370	1000	1.00	09/30/21
21I1392-03 [AP-11R]	B291370	1020	1.00	09/30/21
21I1392-05 [AP-12R]	B291370	990	1.00	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-06 [AP-15R-BR]	B291375	980	1.00	09/30/21
21I1392-08 [AP-6R]	B291375	980	1.00	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-02 [AP-3R]	B291378	920	0.900	09/29/21
21I1392-03 [AP-11R]	B291378	1010	1.00	09/29/21
21I1392-04 [DUP20210923]	B291378	890	0.850	09/29/21
21I1392-05 [AP-12R]	B291378	980	0.950	09/29/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-04 [DUP20210923]	B291400	920	1.00	09/29/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-02 [AP-3R]	B291494	1000	1.00	09/30/21
21I1392-03 [AP-11R]	B291494	1020	1.00	09/30/21
21I1392-05 [AP-12R]	B291494	990	1.00	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-06 [AP-15R-BR]	B291541	980	1.00	09/30/21
21I1392-08 [AP-6R]	B291541	980	1.00	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1392-06 [AP-15R-BR]	B291642	980	0.900	09/30/21
21I1392-08 [AP-6R]	B291642	980	0.900	09/30/21

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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 B291091 - SW-846 5030B										
Blank (B291091-BLK1)				Prepared & Analyzed: 09/27/21						
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							V-05
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 B291091 - SW-846 5030B										
Blank (B291091-BLK1)				Prepared & Analyzed: 09/27/21						
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	*19.1*		µg/L	25.0		76.4	70-130			
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		101	70-130			
LCS (B291091-BS1)				Prepared & Analyzed: 09/27/21						
Acetone	86.4	10	µg/L	100		86.4	40-160			
Acrylonitrile	10.4	2.0	µg/L	10.0		104	70-130			
Benzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromobenzene	11.1	0.50	µg/L	10.0		111	70-130			
Bromodichloromethane	9.78	0.50	µg/L	10.0		97.8	70-130			
Bromoform	11.0	0.50	µg/L	10.0		110	70-130			
Bromomethane	15.5	2.0	µg/L	10.0		155	40-160			L-17, V-20, V-34
2-Butanone (MEK)	92.2	5.0	µg/L	100		92.2	40-160			
n-Butylbenzene	8.31	1.0	µg/L	10.0		83.1	70-130			
sec-Butylbenzene	8.74	1.0	µg/L	10.0		87.4	70-130			
tert-Butylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
Carbon Disulfide	91.0	5.0	µg/L	100		91.0	70-130			
Carbon Tetrachloride	10.1	0.50	µg/L	10.0		101	70-130			
Chlorobenzene	10.9	0.50	µg/L	10.0		109	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	40-160			
Chloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroform	9.33	0.50	µg/L	10.0		93.3	70-130			
Chloromethane	4.57	0.60	µg/L	10.0		45.7	40-160			L-17, V-05
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102	70-130			
4-Chlorotoluene	10.2	0.50	µg/L	10.0		102	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.95	1.0	µg/L	10.0		79.5	70-130			V-05
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130			
Dibromomethane	11.6	0.50	µg/L	10.0		116	70-130			
1,2-Dichlorobenzene	9.69	0.50	µg/L	10.0		96.9	70-130			
1,3-Dichlorobenzene	9.73	0.50	µg/L	10.0		97.3	70-130			
1,4-Dichlorobenzene	9.84	0.50	µg/L	10.0		98.4	70-130			
trans-1,4-Dichloro-2-butene	11.4	2.0	µg/L	10.0		114	70-130			
Dichlorodifluoromethane (Freon 12)	9.95	0.50	µg/L	10.0		99.5	40-160			
1,1-Dichloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichloroethane	9.97	0.50	µg/L	10.0		99.7	70-130			
1,1-Dichloroethylene	9.93	0.50	µg/L	10.0		99.3	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 B291091 - SW-846 5030B											
LCS (B291091-BS1)				Prepared & Analyzed: 09/27/21							
cis-1,2-Dichloroethylene	9.71	0.50	µg/L	10.0		97.1		70-130			
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130			
1,2-Dichloropropane	11.2	0.50	µg/L	10.0		112		70-130			
1,3-Dichloropropane	11.1	0.50	µg/L	10.0		111		70-130			
2,2-Dichloropropane	9.43	0.50	µg/L	10.0		94.3		70-130			
1,1-Dichloropropene	9.74	0.50	µg/L	10.0		97.4		70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105		70-130			
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101		70-130			
Ethylbenzene	10.5	0.50	µg/L	10.0		105		70-130			
Hexachlorobutadiene	9.03	0.60	µg/L	10.0		90.3		40-160			
2-Hexanone (MBK)	99.3	5.0	µg/L	100		99.3		70-130			
Isopropylbenzene (Cumene)	10.8	0.50	µg/L	10.0		108		70-130			
p-Isopropyltoluene (p-Cymene)	9.46	0.50	µg/L	10.0		94.6		70-130			
Methyl tert-Butyl Ether (MTBE)	9.32	0.50	µg/L	10.0		93.2		70-130			
Methylene Chloride	9.40	5.0	µg/L	10.0		94.0		70-130			
4-Methyl-2-pentanone (MIBK)	104	5.0	µg/L	100		104		40-160			
Naphthalene	7.55	2.0	µg/L	10.0		75.5		70-130			V-05
n-Propylbenzene	10.3	1.0	µg/L	10.0		103		70-130			
Styrene	11.2	1.0	µg/L	10.0		112		70-130			
1,1,1,2-Tetrachloroethane	12.1	0.50	µg/L	10.0		121		70-130			V-20
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130			
Tetrachloroethylene	12.4	1.0	µg/L	10.0		124		70-130			V-20
Tetrahydrofuran	9.52	10	µg/L	10.0		95.2		70-130			
Toluene	10.4	1.0	µg/L	10.0		104		70-130			
1,2,3-Trichlorobenzene	8.34	1.0	µg/L	10.0		83.4		70-130			
1,2,4-Trichlorobenzene	9.33	0.50	µg/L	10.0		93.3		70-130			
1,1,1-Trichloroethane	9.51	0.50	µg/L	10.0		95.1		70-130			
1,1,2-Trichloroethane	11.3	0.50	µg/L	10.0		113		70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112		70-130			
Trichlorofluoromethane (Freon 11)	9.18	2.0	µg/L	10.0		91.8		40-160			
1,2,3-Trichloropropane	12.2	0.50	µg/L	10.0		122		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	0.50	µg/L	10.0		100		70-130			
1,2,4-Trimethylbenzene	9.21	0.50	µg/L	10.0		92.1		70-130			
1,3,5-Trimethylbenzene	11.0	0.50	µg/L	10.0		110		70-130			
Vinyl Chloride	10.3	1.0	µg/L	10.0		103		70-130			
m+p Xylene	21.2	2.0	µg/L	20.0		106		70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102		70-130			
Surrogate: 1,2-Dichloroethane-d4	*18.7*		µg/L	25.0		74.7		70-130			
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		96.8		70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130			
Matrix Spike (B291091-MS1)	**Source: 21I1392-06**			Prepared & Analyzed: 09/27/21							
Acetone	98.7	10	µg/L	100	ND	98.7		70-130			
Acrylonitrile	12.0	2.0	µg/L	10.0	ND	120		70-130			
Benzene	12.0	0.50	µg/L	10.0	ND	120		70-130			
Bromobenzene	11.9	0.50	µg/L	10.0	ND	119		70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0	ND	105		70-130			
Bromoform	12.0	0.50	µg/L	10.0	ND	120		70-130			
Bromomethane	14.0	2.0	µg/L	10.0	ND	**140**	*	70-130			MS-15, V-20, V-34
2-Butanone (MEK)	102	5.0	µg/L	100	ND	102		70-130			
n-Butylbenzene	8.84	1.0	µg/L	10.0	ND	88.4		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 B291091 - SW-846 5030B											
Matrix Spike (B291091-MS1)	**Source: 21I1392-06**			Prepared & Analyzed: 09/27/21							
sec-Butylbenzene	9.61	1.0	µg/L	10.0	ND	96.1		70-130			
tert-Butylbenzene	10.6	1.0	µg/L	10.0	ND	106		70-130			
Carbon Disulfide	110	5.0	µg/L	100	ND	110		70-130			
Carbon Tetrachloride	12.0	0.50	µg/L	10.0	ND	120		70-130			
Chlorobenzene	12.4	0.50	µg/L	10.0	ND	124		70-130			
Chlorodibromomethane	11.9	0.50	µg/L	10.0	ND	119		70-130			
Chloroethane	11.4	0.50	µg/L	10.0	ND	114		70-130			
Chloroform	10.9	0.50	µg/L	10.0	ND	109		70-130			
Chloromethane	5.00	0.60	µg/L	10.0	ND	**50.0**	*	70-130			MS-09, V-05
2-Chlorotoluene	11.4	0.50	µg/L	10.0	ND	114		70-130			
4-Chlorotoluene	11.4	0.50	µg/L	10.0	ND	114		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.06	1.0	µg/L	10.0	ND	80.6		70-130			V-05
1,2-Dibromoethane (EDB)	12.2	0.50	µg/L	10.0	ND	122		70-130			
Dibromomethane	12.3	0.50	µg/L	10.0	ND	123		70-130			
1,2-Dichlorobenzene	10.5	0.50	µg/L	10.0	ND	105		70-130			
1,3-Dichlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130			
1,4-Dichlorobenzene	10.6	0.50	µg/L	10.0	ND	106		70-130			
trans-1,4-Dichloro-2-butene	10.0	2.0	µg/L	10.0	ND	100		70-130			
Dichlorodifluoromethane (Freon 12)	11.8	0.50	µg/L	10.0	ND	118		70-130			
1,1-Dichloroethane	11.8	0.50	µg/L	10.0	ND	118		70-130			
1,2-Dichloroethane	10.8	0.50	µg/L	10.0	ND	108		70-130			
1,1-Dichloroethylene	11.8	0.50	µg/L	10.0	ND	118		70-130			
cis-1,2-Dichloroethylene	11.4	0.50	µg/L	10.0	ND	114		70-130			
trans-1,2-Dichloroethylene	12.5	1.0	µg/L	10.0	ND	125		70-130			
1,2-Dichloropropane	12.6	0.50	µg/L	10.0	ND	126		70-130			
1,3-Dichloropropane	11.9	0.50	µg/L	10.0	ND	119		70-130			
2,2-Dichloropropane	8.97	0.50	µg/L	10.0	ND	89.7		70-130			
1,1-Dichloropropene	11.9	0.50	µg/L	10.0	ND	119		70-130			
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0	ND	110		70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0	ND	102		70-130			
Ethylbenzene	11.8	0.50	µg/L	10.0	ND	118		70-130			
Hexachlorobutadiene	9.83	0.60	µg/L	10.0	ND	98.3		70-130			
2-Hexanone (MBK)	106	5.0	µg/L	100	ND	106		70-130			
Isopropylbenzene (Cumene)	12.1	0.50	µg/L	10.0	ND	121		70-130			
p-Isopropyltoluene (p-Cymene)	10.5	0.50	µg/L	10.0	ND	105		70-130			
Methyl tert-Butyl Ether (MTBE)	10.1	0.50	µg/L	10.0	ND	101		70-130			
Methylene Chloride	11.1	5.0	µg/L	10.0	ND	111		70-130			
4-Methyl-2-pentanone (MIBK)	111	5.0	µg/L	100	ND	111		70-130			
Naphthalene	8.91	2.0	µg/L	10.0	ND	89.1		70-130			V-05
n-Propylbenzene	11.3	1.0	µg/L	10.0	ND	113		70-130			
Styrene	12.4	1.0	µg/L	10.0	ND	124		70-130			
1,1,1,2-Tetrachloroethane	13.4	0.50	µg/L	10.0	ND	**134**	*	70-130			MS-22, V-20
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0	ND	116		70-130			
Tetrachloroethylene	14.1	1.0	µg/L	10.0	ND	**141**	*	70-130			MS-22, V-20
Tetrahydrofuran	10.4	10	µg/L	10.0	ND	104		70-130			
Toluene	11.6	1.0	µg/L	10.0	ND	116		70-130			
1,2,3-Trichlorobenzene	8.74	1.0	µg/L	10.0	ND	87.4		70-130			
1,2,4-Trichlorobenzene	9.66	0.50	µg/L	10.0	ND	96.6		70-130			
1,1,1-Trichloroethane	11.1	0.50	µg/L	10.0	ND	111		70-130			
1,1,2-Trichloroethane	12.5	0.50	µg/L	10.0	ND	125		70-130			
Trichloroethylene	12.8	1.0	µg/L	10.0	ND	128		70-130			
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0	ND	103		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 B291091 - SW-846 5030B											
Matrix Spike (B291091-MS1)	**Source: 21I1392-06**			Prepared & Analyzed: 09/27/21							
1,2,3-Trichloropropane	13.2	0.50	µg/L	10.0	ND	**132**	*	70-130			MS-22
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	0.50	µg/L	10.0	ND	118		70-130			
1,2,4-Trimethylbenzene	9.98	0.50	µg/L	10.0	ND	99.8		70-130			
1,3,5-Trimethylbenzene	12.1	0.50	µg/L	10.0	ND	121		70-130			
Vinyl Chloride	12.6	1.0	µg/L	10.0	ND	126		70-130			
m+p Xylene	23.8	2.0	µg/L	20.0	ND	119		70-130			
o-Xylene	11.5	1.0	µg/L	10.0	ND	115		70-130			
Surrogate: 1,2-Dichloroethane-d4	*19.1*		µg/L	25.0		76.5		70-130			
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		96.9		70-130			
Surrogate: 4-Bromofluorobenzene	*25.9*		µg/L	25.0		104		70-130			
Matrix Spike Dup (B291091-MSD1)	**Source: 21I1392-06**			Prepared & Analyzed: 09/27/21							
Acetone	80.3	10	µg/L	100	ND	80.3		70-130	20.6	30	
Acrylonitrile	9.87	2.0	µg/L	10.0	ND	98.7		70-130	19.4	30	
Benzene	10.5	0.50	µg/L	10.0	ND	105		70-130	13.3	30	
Bromobenzene	10.9	0.50	µg/L	10.0	ND	109		70-130	8.67	30	
Bromodichloromethane	9.89	0.50	µg/L	10.0	ND	98.9		70-130	6.08	30	
Bromoform	10.4	0.50	µg/L	10.0	ND	104		70-130	14.3	30	
Bromomethane	13.2	2.0	µg/L	10.0	ND	**132**	*	70-130	5.52	30	MS-15, V-20, V-34
2-Butanone (MEK)	85.9	5.0	µg/L	100	ND	85.9		70-130	17.2	30	
n-Butylbenzene	7.85	1.0	µg/L	10.0	ND	78.5		70-130	11.9	30	
sec-Butylbenzene	8.73	1.0	µg/L	10.0	ND	87.3		70-130	9.60	30	
tert-Butylbenzene	9.65	1.0	µg/L	10.0	ND	96.5		70-130	9.57	30	
Carbon Disulfide	97.1	5.0	µg/L	100	ND	97.1		70-130	12.6	30	
Carbon Tetrachloride	10.7	0.50	µg/L	10.0	ND	107		70-130	10.7	30	
Chlorobenzene	11.2	0.50	µg/L	10.0	ND	112		70-130	9.66	30	
Chlorodibromomethane	10.8	0.50	µg/L	10.0	ND	108		70-130	9.49	30	
Chloroethane	11.2	0.50	µg/L	10.0	ND	112		70-130	2.30	30	
Chloroform	9.72	0.50	µg/L	10.0	ND	97.2		70-130	11.1	30	
Chloromethane	4.35	0.60	µg/L	10.0	ND	**43.5**	*	70-130	13.9	30	MS-09, V-05
2-Chlorotoluene	10.1	0.50	µg/L	10.0	ND	101		70-130	11.9	30	
4-Chlorotoluene	9.98	0.50	µg/L	10.0	ND	99.8		70-130	13.1	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.30	1.0	µg/L	10.0	ND	73.0		70-130	9.90	30	V-05
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0	ND	109		70-130	10.7	30	
Dibromomethane	11.2	0.50	µg/L	10.0	ND	112		70-130	9.26	30	
1,2-Dichlorobenzene	9.75	0.50	µg/L	10.0	ND	97.5		70-130	7.50	30	
1,3-Dichlorobenzene	9.65	0.50	µg/L	10.0	ND	96.5		70-130	10.4	30	
1,4-Dichlorobenzene	9.53	0.50	µg/L	10.0	ND	95.3		70-130	10.9	30	
trans-1,4-Dichloro-2-butene	8.58	2.0	µg/L	10.0	ND	85.8		70-130	15.8	30	
Dichlorodifluoromethane (Freon 12)	10.3	0.50	µg/L	10.0	ND	103		70-130	13.4	30	
1,1-Dichloroethane	10.6	0.50	µg/L	10.0	ND	106		70-130	11.1	30	
1,2-Dichloroethane	10.0	0.50	µg/L	10.0	ND	100		70-130	7.50	30	
1,1-Dichloroethylene	10.5	0.50	µg/L	10.0	ND	105		70-130	11.7	30	
cis-1,2-Dichloroethylene	9.97	0.50	µg/L	10.0	ND	99.7		70-130	13.5	30	
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0	ND	108		70-130	14.0	30	
1,2-Dichloropropane	11.6	0.50	µg/L	10.0	ND	116		70-130	8.03	30	
1,3-Dichloropropane	10.8	0.50	µg/L	10.0	ND	108		70-130	9.97	30	
2,2-Dichloropropane	7.86	0.50	µg/L	10.0	ND	78.6		70-130	13.2	30	
1,1-Dichloropropene	10.6	0.50	µg/L	10.0	ND	106		70-130	11.7	30	
cis-1,3-Dichloropropene	9.75	0.50	µg/L	10.0	ND	97.5		70-130	12.5	30	
trans-1,3-Dichloropropene	9.80	0.50	µg/L	10.0	ND	98.0		70-130	4.49	30	

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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 B291091 - SW-846 5030B										
Matrix Spike Dup (B291091-MSD1)	**Source: 21I1392-06**			Prepared & Analyzed: 09/27/21						
Ethylbenzene	10.6	0.50	µg/L	10.0	ND	106	70-130	10.7	30	
Hexachlorobutadiene	8.87	0.60	µg/L	10.0	ND	88.7	70-130	10.3	30	
2-Hexanone (MBK)	91.9	5.0	µg/L	100	ND	91.9	70-130	14.6	30	
Isopropylbenzene (Cumene)	10.8	0.50	µg/L	10.0	ND	108	70-130	11.2	30	
p-Isopropyltoluene (p-Cymene)	9.31	0.50	µg/L	10.0	ND	93.1	70-130	12.1	30	
Methyl tert-Butyl Ether (MTBE)	9.21	0.50	µg/L	10.0	ND	92.1	70-130	9.22	30	
Methylene Chloride	9.95	5.0	µg/L	10.0	ND	99.5	70-130	11.0	30	
4-Methyl-2-pentanone (MIBK)	97.4	5.0	µg/L	100	ND	97.4	70-130	13.0	30	
Naphthalene	7.17	2.0	µg/L	10.0	ND	71.7	70-130	21.6	30	V-05
n-Propylbenzene	10.1	1.0	µg/L	10.0	ND	101	70-130	11.9	30	
Styrene	11.2	1.0	µg/L	10.0	ND	112	70-130	10.9	30	
1,1,1,2-Tetrachloroethane	12.0	0.50	µg/L	10.0	ND	120	70-130	11.7	30	V-20
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0	ND	103	70-130	12.3	30	
Tetrachloroethylene	12.7	1.0	µg/L	10.0	ND	127	70-130	10.2	30	V-20
Tetrahydrofuran	8.55	10	µg/L	10.0	ND	85.5	70-130	19.9	30	
Toluene	10.7	1.0	µg/L	10.0	ND	107	70-130	8.52	30	
1,2,3-Trichlorobenzene	7.80	1.0	µg/L	10.0	ND	78.0	70-130	11.4	30	
1,2,4-Trichlorobenzene	8.70	0.50	µg/L	10.0	ND	87.0	70-130	10.5	30	
1,1,1-Trichloroethane	10.0	0.50	µg/L	10.0	ND	100	70-130	9.86	30	
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0	ND	112	70-130	11.0	30	
Trichloroethylene	11.6	1.0	µg/L	10.0	ND	116	70-130	9.98	30	
Trichlorofluoromethane (Freon 11)	9.09	2.0	µg/L	10.0	ND	90.9	70-130	12.6	30	
1,2,3-Trichloropropane	11.3	0.50	µg/L	10.0	ND	113	70-130	15.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	0.50	µg/L	10.0	ND	103	70-130	13.5	30	
1,2,4-Trimethylbenzene	9.00	0.50	µg/L	10.0	ND	90.0	70-130	10.3	30	
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0	ND	108	70-130	11.1	30	
Vinyl Chloride	11.0	1.0	µg/L	10.0	ND	110	70-130	13.7	30	
m+p Xylene	21.3	2.0	µg/L	20.0	ND	107	70-130	10.9	30	
o-Xylene	10.2	1.0	µg/L	10.0	ND	102	70-130	11.2	30	
Surrogate: 1,2-Dichloroethane-d4	*18.5*		µg/L	25.0		74.2	70-130			
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.6	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 B291260 - SW-846 3510C										
Blank (B291260-BLK1)				Prepared: 09/29/21 Analyzed: 09/30/21						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-20
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*80.0*		µg/L	200		40.0	15-110			
Surrogate: Phenol-d6	*59.9*		µg/L	200		29.9	15-110			
Surrogate: Nitrobenzene-d5	*68.4*		µg/L	100		68.4	30-130			
Surrogate: 2-Fluorobiphenyl	*71.1*		µg/L	100		71.1	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 B291260 - SW-846 3510C											
Blank (B291260-BLK1)				Prepared: 09/29/21 Analyzed: 09/30/21							
Surrogate: 2,4,6-Tribromophenol	*171*		µg/L	200		85.5	15-110				
Surrogate: p-Terphenyl-d14	*88.7*		µg/L	100		88.7	30-130				
LCS (B291260-BS1)				Prepared: 09/29/21 Analyzed: 09/30/21							
Aniline	38.6	5.0	µg/L	50.0		77.1	40-140				†
Bis(2-chloroethoxy)methane	41.1	10	µg/L	50.0		82.2	40-140				
Bis(2-chloroethyl)ether	40.7	10	µg/L	50.0		81.4	40-140				
Bis(2-chloroisopropyl)ether	45.3	10	µg/L	50.0		90.6	40-140				
Bis(2-Ethylhexyl)phthalate	42.1	10	µg/L	50.0		84.2	40-140				
4-Bromophenylphenylether	37.3	10	µg/L	50.0		74.5	40-140				
Butylbenzylphthalate	41.8	10	µg/L	50.0		83.6	40-140				
Carbazole	39.4	10	µg/L	50.0		78.8	40-140				
4-Chloroaniline	37.7	10	µg/L	50.0		75.3	40-140			V-34	†
4-Chloro-3-methylphenol	41.0	10	µg/L	50.0		81.9	30-130				
2-Chloronaphthalene	35.3	10	µg/L	50.0		70.6	40-140				
2-Chlorophenol	32.9	10	µg/L	50.0		65.8	30-130				
4-Chlorophenylphenylether	38.5	10	µg/L	50.0		76.9	40-140				
Dibenzofuran	40.0	5.0	µg/L	50.0		80.0	40-140				
Di-n-butylphthalate	38.8	10	µg/L	50.0		77.6	40-140				
3,3-Dichlorobenzidine	44.9	10	µg/L	50.0		89.8	40-140				†
2,4-Dichlorophenol	38.3	10	µg/L	50.0		76.6	30-130				
Diethylphthalate	37.3	10	µg/L	50.0		74.7	40-140				
2,4-Dimethylphenol	38.0	10	µg/L	50.0		76.0	30-130				
Dimethylphthalate	38.6	10	µg/L	50.0		77.3	40-140				
4,6-Dinitro-2-methylphenol	39.6	10	µg/L	50.0		79.2	30-130				
2,4-Dinitrophenol	50.0	10	µg/L	50.0		100	30-130			V-04, V-06	
2,4-Dinitrotoluene	42.7	10	µg/L	50.0		85.3	40-140				
2,6-Dinitrotoluene	44.4	10	µg/L	50.0		88.7	40-140				
Di-n-octylphthalate	49.0	10	µg/L	50.0		98.0	40-140				
Hexachlorobenzene	37.8	10	µg/L	50.0		75.6	40-140				
Hexachlorobutadiene	34.3	10	µg/L	50.0		68.7	40-140				
Hexachlorocyclopentadiene	33.3	10	µg/L	50.0		66.6	30-140				
Hexachloroethane	31.6	10	µg/L	50.0		63.2	40-140				
Isophorone	43.6	10	µg/L	50.0		87.2	40-140				
2-Methylphenol	35.6	10	µg/L	50.0		71.2	30-130				
3/4-Methylphenol	33.5	10	µg/L	50.0		66.9	30-130				
2-Nitroaniline	47.8	10	µg/L	50.0		95.6	40-140				
3-Nitroaniline	44.1	10	µg/L	50.0		88.2	40-140				†
4-Nitroaniline	42.4	10	µg/L	50.0		84.8	40-140				
Nitrobenzene	39.2	10	µg/L	50.0		78.4	40-140				
2-Nitrophenol	38.8	10	µg/L	50.0		77.7	30-130				
4-Nitrophenol	25.6	10	µg/L	50.0		51.2	10-130				
N-Nitrosodiphenylamine/Diphenylamine	41.4	10	µg/L	50.0		82.7	40-140				
N-Nitrosodi-n-propylamine	40.5	10	µg/L	50.0		81.0	40-140				
Pentachloronitrobenzene	39.5	10	µg/L	50.0		79.0	40-140				
Pentachlorophenol	34.7	10	µg/L	50.0		69.4	30-130				
Phenol	18.6	10	µg/L	50.0		37.2	20-130				
Pyridine	15.0	5.0	µg/L	50.0		30.1	10-140				†
1,2,4,5-Tetrachlorobenzene	36.5	10	µg/L	50.0		73.0	40-140				
1,2,4-Trichlorobenzene	33.6	5.0	µg/L	50.0		67.2	40-140				
2,4,5-Trichlorophenol	41.2	10	µg/L	50.0		82.3	30-130				
2,4,6-Trichlorophenol	38.7	10	µg/L	50.0		77.3	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 B291260 - SW-846 3510C											
LCS (B291260-BS1)				Prepared: 09/29/21 Analyzed: 09/30/21							
Surrogate: 2-Fluorophenol	*109*		µg/L	200		54.5	15-110				
Surrogate: Phenol-d6	*83.4*		µg/L	200		41.7	15-110				
Surrogate: Nitrobenzene-d5	*86.2*		µg/L	100		86.2	30-130				
Surrogate: 2-Fluorobiphenyl	*85.7*		µg/L	100		85.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*190*		µg/L	200		94.8	15-110				
Surrogate: p-Terphenyl-d14	*93.9*		µg/L	100		93.9	30-130				
LCS Dup (B291260-BSD1)				Prepared: 09/29/21 Analyzed: 09/30/21							
Aniline	39.1	5.0	µg/L	50.0		78.2	40-140	1.47	50		† ‡
Bis(2-chloroethoxy)methane	40.8	10	µg/L	50.0		81.6	40-140	0.757	20		
Bis(2-chloroethyl)ether	40.6	10	µg/L	50.0		81.1	40-140	0.345	20		
Bis(2-chloroisopropyl)ether	45.8	10	µg/L	50.0		91.6	40-140	1.08	20		
Bis(2-Ethylhexyl)phthalate	41.6	10	µg/L	50.0		83.1	40-140	1.32	20		
4-Bromophenylphenylether	38.5	10	µg/L	50.0		77.1	40-140	3.32	20		
Butylbenzylphthalate	41.6	10	µg/L	50.0		83.2	40-140	0.504	20		
Carbazole	39.2	10	µg/L	50.0		78.3	40-140	0.611	20		
4-Chloroaniline	37.7	10	µg/L	50.0		75.5	40-140	0.186	20	V-34	†
4-Chloro-3-methylphenol	39.1	10	µg/L	50.0		78.2	30-130	4.65	20		
2-Chloronaphthalene	35.8	10	µg/L	50.0		71.6	40-140	1.49	20		
2-Chlorophenol	32.1	10	µg/L	50.0		64.3	30-130	2.34	20		
4-Chlorophenylphenylether	38.0	10	µg/L	50.0		76.0	40-140	1.28	20		
Dibenzofuran	40.3	5.0	µg/L	50.0		80.5	40-140	0.623	20		
Di-n-butylphthalate	39.2	10	µg/L	50.0		78.4	40-140	0.949	20		
3,3-Dichlorobenzidine	45.7	10	µg/L	50.0		91.4	40-140	1.70	20		† ‡
2,4-Dichlorophenol	37.0	10	µg/L	50.0		74.0	30-130	3.45	20		
Diethylphthalate	38.1	10	µg/L	50.0		76.2	40-140	1.99	20		
2,4-Dimethylphenol	36.7	10	µg/L	50.0		73.4	30-130	3.37	20		
Dimethylphthalate	38.5	10	µg/L	50.0		77.0	40-140	0.415	50		
4,6-Dinitro-2-methylphenol	40.2	10	µg/L	50.0		80.4	30-130	1.48	50		
2,4-Dinitrophenol	50.6	10	µg/L	50.0		101	30-130	1.15	50	V-04, V-06	
2,4-Dinitrotoluene	42.1	10	µg/L	50.0		84.2	40-140	1.37	20		
2,6-Dinitrotoluene	43.0	10	µg/L	50.0		86.1	40-140	3.07	20		
Di-n-octylphthalate	46.1	10	µg/L	50.0		92.2	40-140	6.14	20		
Hexachlorobenzene	37.8	10	µg/L	50.0		75.6	40-140	0.00	20		
Hexachlorobutadiene	31.4	10	µg/L	50.0		62.7	40-140	9.07	20		
Hexachlorocyclopentadiene	31.4	10	µg/L	50.0		62.8	30-140	5.87	50		
Hexachloroethane	29.4	10	µg/L	50.0		58.8	40-140	7.28	50		
Isophorone	42.6	10	µg/L	50.0		85.1	40-140	2.44	20		
2-Methylphenol	35.0	10	µg/L	50.0		70.0	30-130	1.70	20		
3/4-Methylphenol	31.2	10	µg/L	50.0		62.4	30-130	6.99	20		
2-Nitroaniline	47.8	10	µg/L	50.0		95.5	40-140	0.126	20		
3-Nitroaniline	43.0	10	µg/L	50.0		86.1	40-140	2.41	20		†
4-Nitroaniline	42.6	10	µg/L	50.0		85.1	40-140	0.377	20		
Nitrobenzene	38.7	10	µg/L	50.0		77.4	40-140	1.26	20		
2-Nitrophenol	37.9	10	µg/L	50.0		75.8	30-130	2.37	20		
4-Nitrophenol	24.1	10	µg/L	50.0		48.1	10-130	6.20	50		‡
N-Nitrosodiphenylamine/Diphenylamine	42.0	10	µg/L	50.0		84.0	40-140	1.56	20		
N-Nitrosodi-n-propylamine	40.4	10	µg/L	50.0		80.7	40-140	0.322	20		
Pentachloronitrobenzene	40.9	10	µg/L	50.0		81.9	40-140	3.58	20		
Pentachlorophenol	34.4	10	µg/L	50.0		68.9	30-130	0.810	50		
Phenol	17.4	10	µg/L	50.0		34.8	20-130	6.84	20		
Pyridine	14.2	5.0	µg/L	50.0		28.4	10-140	5.61	50		†

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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 B291260 - SW-846 3510C										
LCS Dup (B291260-BSD1)				Prepared: 09/29/21 Analyzed: 09/30/21						
1,2,4,5-Tetrachlorobenzene	35.5	10	µg/L	50.0		71.0	40-140	2.72	20	
1,2,4-Trichlorobenzene	33.2	5.0	µg/L	50.0		66.4	40-140	1.23	20	
2,4,5-Trichlorophenol	40.6	10	µg/L	50.0		81.2	30-130	1.39	20	
2,4,6-Trichlorophenol	38.4	10	µg/L	50.0		76.7	30-130	0.805	50	
Surrogate: 2-Fluorophenol	*101*		µg/L	200		50.4	15-110			
Surrogate: Phenol-d6	*75.1*		µg/L	200		37.6	15-110			
Surrogate: Nitrobenzene-d5	*84.0*		µg/L	100		84.0	30-130			
Surrogate: 2-Fluorobiphenyl	*83.3*		µg/L	100		83.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*184*		µg/L	200		91.8	15-110			
Surrogate: p-Terphenyl-d14	*90.3*		µg/L	100		90.3	30-130			
Batch B291370 - SW-846 3510C										
Blank (B291370-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							V-20
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							L-04, V-05
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							

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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 B291370 - SW-846 3510C												
Blank (B291370-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21								
N-Nitrosodi-n-propylamine	ND	10	µg/L									
Pentachloronitrobenzene	ND	10	µg/L									
Pentachlorophenol	ND	5.0	µg/L									
Phenol	ND	10	µg/L									
Pyridine	ND	5.0	µg/L									
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L									
1,2,4-Trichlorobenzene	ND	5.0	µg/L									
2,4,5-Trichlorophenol	ND	10	µg/L									
2,4,6-Trichlorophenol	ND	10	µg/L									
Surrogate: 2-Fluorophenol	*81.2*		µg/L	200		40.6		15-110				
Surrogate: Phenol-d6	*62.1*		µg/L	200		31.1		15-110				
Surrogate: Nitrobenzene-d5	*66.6*		µg/L	100		66.6		30-130				
Surrogate: 2-Fluorobiphenyl	*76.3*		µg/L	100		76.3		30-130				
Surrogate: 2,4,6-Tribromophenol	*147*		µg/L	200		73.4		15-110				
Surrogate: p-Terphenyl-d14	*89.1*		µg/L	100		89.1		30-130				
LCS (B291370-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21								
Aniline	28.3	5.0	µg/L	50.0		56.6		40-140				†
Bis(2-chloroethoxy)methane	32.4	10	µg/L	50.0		64.9		40-140				
Bis(2-chloroethyl)ether	29.0	10	µg/L	50.0		58.0		40-140				
Bis(2-chloroisopropyl)ether	29.8	10	µg/L	50.0		59.7		40-140				
Bis(2-Ethylhexyl)phthalate	42.5	10	µg/L	50.0		84.9		40-140				
4-Bromophenylphenylether	34.0	10	µg/L	50.0		67.9		40-140				
Butylbenzylphthalate	41.5	10	µg/L	50.0		83.0		40-140				
Carbazole	39.2	10	µg/L	50.0		78.4		40-140				
4-Chloroaniline	33.1	10	µg/L	50.0		66.3		40-140			V-34	†
4-Chloro-3-methylphenol	35.1	10	µg/L	50.0		70.2		30-130				
2-Chloronaphthalene	35.1	10	µg/L	50.0		70.2		40-140				
2-Chlorophenol	26.4	10	µg/L	50.0		52.8		30-130				
4-Chlorophenylphenylether	36.4	10	µg/L	50.0		72.7		40-140				
Dibenzofuran	37.8	5.0	µg/L	50.0		75.5		40-140				
Di-n-butylphthalate	39.9	10	µg/L	50.0		79.8		40-140				
3,3-Dichlorobenzidine	41.6	10	µg/L	50.0		83.2		40-140				†
2,4-Dichlorophenol	32.7	10	µg/L	50.0		65.4		30-130				
Diethylphthalate	37.1	10	µg/L	50.0		74.1		40-140				
2,4-Dimethylphenol	32.7	10	µg/L	50.0		65.3		30-130				
Dimethylphthalate	38.6	10	µg/L	50.0		77.2		40-140				
4,6-Dinitro-2-methylphenol	28.5	10	µg/L	50.0		57.0		30-130				
2,4-Dinitrophenol	25.8	10	µg/L	50.0		51.6		30-130			V-05	
2,4-Dinitrotoluene	39.6	10	µg/L	50.0		79.1		40-140				
2,6-Dinitrotoluene	41.2	10	µg/L	50.0		82.3		40-140				
Di-n-octylphthalate	47.4	10	µg/L	50.0		94.8		40-140			V-06	
Hexachlorobenzene	33.1	10	µg/L	50.0		66.2		40-140				
Hexachlorobutadiene	25.3	10	µg/L	50.0		50.6		40-140				
Hexachlorocyclopentadiene	13.4	10	µg/L	50.0		**26.8**	*	30-140			L-04, V-05	
Hexachloroethane	21.7	10	µg/L	50.0		43.3		40-140				
Isophorone	35.0	10	µg/L	50.0		69.9		40-140				
2-Methylphenol	29.1	10	µg/L	50.0		58.3		30-130				
3/4-Methylphenol	30.0	10	µg/L	50.0		60.0		30-130				
2-Nitroaniline	38.8	10	µg/L	50.0		77.5		40-140				
3-Nitroaniline	38.0	10	µg/L	50.0		76.0		40-140				†
4-Nitroaniline	38.3	10	µg/L	50.0		76.6		40-140				

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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 B291370 - SW-846 3510C											
LCS (B291370-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Nitrobenzene	29.0	10	µg/L	50.0		58.0	40-140				
2-Nitrophenol	32.6	10	µg/L	50.0		65.2	30-130				
4-Nitrophenol	20.9	10	µg/L	50.0		41.8	10-130				
N-Nitrosodiphenylamine/Diphenylamine	39.7	10	µg/L	50.0		79.4	40-140				
N-Nitrosodi-n-propylamine	33.3	10	µg/L	50.0		66.5	40-140				
Pentachloronitrobenzene	36.7	10	µg/L	50.0		73.4	40-140				
Pentachlorophenol	26.0	10	µg/L	50.0		52.0	30-130				
Phenol	14.4	10	µg/L	50.0		28.9	20-130				
Pyridine	9.86	5.0	µg/L	50.0		19.7	10-140				†
1,2,4,5-Tetrachlorobenzene	31.0	10	µg/L	50.0		62.0	40-140				
1,2,4-Trichlorobenzene	25.6	5.0	µg/L	50.0		51.1	40-140				
2,4,5-Trichlorophenol	37.8	10	µg/L	50.0		75.6	30-130				
2,4,6-Trichlorophenol	35.9	10	µg/L	50.0		71.8	30-130				
Surrogate: 2-Fluorophenol	*77.4*		µg/L	200		38.7	15-110				
Surrogate: Phenol-d6	*63.4*		µg/L	200		31.7	15-110				
Surrogate: Nitrobenzene-d5	*64.8*		µg/L	100		64.8	30-130				
Surrogate: 2-Fluorobiphenyl	*77.1*		µg/L	100		77.1	30-130				
Surrogate: 2,4,6-Tribromophenol	*146*		µg/L	200		72.8	15-110				
Surrogate: p-Terphenyl-d14	*85.0*		µg/L	100		85.0	30-130				
LCS Dup (B291370-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Aniline	28.6	5.0	µg/L	50.0		57.3	40-140	1.12	50		† ‡
Bis(2-chloroethoxy)methane	33.0	10	µg/L	50.0		66.0	40-140	1.74	20		
Bis(2-chloroethyl)ether	32.5	10	µg/L	50.0		65.1	40-140	11.4	20		
Bis(2-chloroisopropyl)ether	33.0	10	µg/L	50.0		66.0	40-140	10.1	20		
Bis(2-Ethylhexyl)phthalate	44.2	10	µg/L	50.0		88.4	40-140	3.95	20		
4-Bromophenylphenylether	35.5	10	µg/L	50.0		71.1	40-140	4.52	20		
Butylbenzylphthalate	42.9	10	µg/L	50.0		85.7	40-140	3.25	20		
Carbazole	39.8	10	µg/L	50.0		79.7	40-140	1.67	20		
4-Chloroaniline	33.2	10	µg/L	50.0		66.4	40-140	0.181	20	V-34	†
4-Chloro-3-methylphenol	36.5	10	µg/L	50.0		73.1	30-130	3.99	20		
2-Chloronaphthalene	34.2	10	µg/L	50.0		68.3	40-140	2.71	20		
2-Chlorophenol	29.4	10	µg/L	50.0		58.8	30-130	10.6	20		
4-Chlorophenylphenylether	38.2	10	µg/L	50.0		76.4	40-140	4.88	20		
Dibenzofuran	39.0	5.0	µg/L	50.0		78.1	40-140	3.33	20		
Di-n-butylphthalate	41.8	10	µg/L	50.0		83.5	40-140	4.53	20		
3,3-Dichlorobenzidine	43.8	10	µg/L	50.0		87.5	40-140	5.06	20		† ‡
2,4-Dichlorophenol	33.7	10	µg/L	50.0		67.3	30-130	2.92	20		
Diethylphthalate	38.6	10	µg/L	50.0		77.2	40-140	4.04	20		
2,4-Dimethylphenol	32.6	10	µg/L	50.0		65.2	30-130	0.153	20		
Dimethylphthalate	39.6	10	µg/L	50.0		79.2	40-140	2.58	50		
4,6-Dinitro-2-methylphenol	30.0	10	µg/L	50.0		60.1	30-130	5.30	50		
2,4-Dinitrophenol	29.2	10	µg/L	50.0		58.4	30-130	12.4	50	V-05	
2,4-Dinitrotoluene	42.7	10	µg/L	50.0		85.5	40-140	7.70	20		
2,6-Dinitrotoluene	43.7	10	µg/L	50.0		87.4	40-140	5.99	20		
Di-n-octylphthalate	49.1	10	µg/L	50.0		98.2	40-140	3.48	20	V-06	
Hexachlorobenzene	34.5	10	µg/L	50.0		68.9	40-140	4.09	20		
Hexachlorobutadiene	27.5	10	µg/L	50.0		54.9	40-140	8.15	20		
Hexachlorocyclopentadiene	14.6	10	µg/L	50.0		**29.3**	* 30-140	8.92	50	L-04, V-05	
Hexachloroethane	24.5	10	µg/L	50.0		48.9	40-140	12.1	50		
Isophorone	35.1	10	µg/L	50.0		70.1	40-140	0.286	20		
2-Methylphenol	30.9	10	µg/L	50.0		61.7	30-130	5.77	20		

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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 B291370 - SW-846 3510C										
LCS Dup (B291370-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
3/4-Methylphenol	31.2	10	µg/L	50.0		62.5	30-130	4.08	20	
2-Nitroaniline	38.7	10	µg/L	50.0		77.4	40-140	0.232	20	
3-Nitroaniline	38.0	10	µg/L	50.0		76.0	40-140	0.0263	20	†
4-Nitroaniline	40.8	10	µg/L	50.0		81.6	40-140	6.27	20	
Nitrobenzene	32.5	10	µg/L	50.0		65.0	40-140	11.3	20	
2-Nitrophenol	34.2	10	µg/L	50.0		68.4	30-130	4.88	20	
4-Nitrophenol	22.5	10	µg/L	50.0		45.0	10-130	7.51	50	‡
N-Nitrosodiphenylamine/Diphenylamine	40.1	10	µg/L	50.0		80.3	40-140	1.13	20	
N-Nitrosodi-n-propylamine	36.4	10	µg/L	50.0		72.9	40-140	9.15	20	
Pentachloronitrobenzene	38.7	10	µg/L	50.0		77.4	40-140	5.22	20	
Pentachlorophenol	27.5	10	µg/L	50.0		54.9	30-130	5.50	50	
Phenol	15.7	10	µg/L	50.0		31.4	20-130	8.56	20	
Pyridine	8.76	5.0	µg/L	50.0		17.5	10-140	11.8	50	†
1,2,4,5-Tetrachlorobenzene	31.2	10	µg/L	50.0		62.4	40-140	0.675	20	
1,2,4-Trichlorobenzene	28.5	5.0	µg/L	50.0		57.0	40-140	10.9	20	
2,4,5-Trichlorophenol	38.3	10	µg/L	50.0		76.6	30-130	1.31	20	
2,4,6-Trichlorophenol	36.8	10	µg/L	50.0		73.7	30-130	2.56	50	
Surrogate: 2-Fluorophenol	*89.8*		µg/L	200		44.9	15-110			
Surrogate: Phenol-d6	*68.9*		µg/L	200		34.5	15-110			
Surrogate: Nitrobenzene-d5	*70.1*		µg/L	100		70.1	30-130			
Surrogate: 2-Fluorobiphenyl	*77.9*		µg/L	100		77.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*161*		µg/L	200		80.3	15-110			
Surrogate: p-Terphenyl-d14	*90.0*		µg/L	100		90.0	30-130			
Batch B291375 - SW-846 3510C										
Blank (B291375-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							R-05
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-20
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							

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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 B291375 - SW-846 3510C											
Blank (B291375-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Hexachlorobutadiene	ND	10	µg/L								
Hexachlorocyclopentadiene	ND	10	µg/L								
Hexachloroethane	ND	2.0	µg/L								
Isophorone	ND	10	µg/L								
2-Methylphenol	ND	10	µg/L								
3/4-Methylphenol	ND	10	µg/L								
2-Nitroaniline	ND	10	µg/L							V-20	
3-Nitroaniline	ND	10	µg/L								
4-Nitroaniline	ND	10	µg/L								
Nitrobenzene	ND	10	µg/L								
2-Nitrophenol	ND	10	µg/L								
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*73.6*		µg/L	200		36.8	15-110				
Surrogate: Phenol-d6	*56.4*		µg/L	200		28.2	15-110				
Surrogate: Nitrobenzene-d5	*57.2*		µg/L	100		57.2	30-130				
Surrogate: 2-Fluorobiphenyl	*55.6*		µg/L	100		55.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*135*		µg/L	200		67.5	15-110				
Surrogate: p-Terphenyl-d14	*82.3*		µg/L	100		82.3	30-130				
LCS (B291375-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Aniline	30.5	5.0	µg/L	50.0		61.0	40-140				†
Bis(2-chloroethoxy)methane	33.5	10	µg/L	50.0		67.0	40-140				
Bis(2-chloroethyl)ether	33.5	10	µg/L	50.0		66.9	40-140			R-05	
Bis(2-chloroisopropyl)ether	33.6	10	µg/L	50.0		67.3	40-140				
Bis(2-Ethylhexyl)phthalate	40.8	10	µg/L	50.0		81.7	40-140				
4-Bromophenylphenylether	34.8	10	µg/L	50.0		69.6	40-140				
Butylbenzylphthalate	40.5	10	µg/L	50.0		81.0	40-140				
Carbazole	38.4	10	µg/L	50.0		76.8	40-140				
4-Chloroaniline	34.3	10	µg/L	50.0		68.6	40-140				†
4-Chloro-3-methylphenol	36.0	10	µg/L	50.0		71.9	30-130				
2-Chloronaphthalene	33.5	10	µg/L	50.0		67.1	40-140				
2-Chlorophenol	30.0	10	µg/L	50.0		59.9	30-130				
4-Chlorophenylphenylether	36.6	10	µg/L	50.0		73.1	40-140				
Dibenzofuran	38.7	5.0	µg/L	50.0		77.5	40-140				
Di-n-butylphthalate	39.1	10	µg/L	50.0		78.2	40-140				
3,3-Dichlorobenzidine	42.8	10	µg/L	50.0		85.6	40-140				†
2,4-Dichlorophenol	34.7	10	µg/L	50.0		69.4	30-130				
Diethylphthalate	37.3	10	µg/L	50.0		74.7	40-140				
2,4-Dimethylphenol	32.9	10	µg/L	50.0		65.8	30-130				
Dimethylphthalate	39.2	10	µg/L	50.0		78.4	40-140				
4,6-Dinitro-2-methylphenol	29.3	10	µg/L	50.0		58.6	30-130				
2,4-Dinitrophenol	26.9	10	µg/L	50.0		53.7	30-130			V-05	

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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 B291375 - SW-846 3510C												
LCS (B291375-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21								
2,4-Dinitrotoluene	41.6	10	µg/L	50.0		83.2	40-140					
2,6-Dinitrotoluene	42.9	10	µg/L	50.0		85.8	40-140					
Di-n-octylphthalate	44.6	10	µg/L	50.0		89.3	40-140				V-06	
Hexachlorobenzene	34.3	10	µg/L	50.0		68.5	40-140					
Hexachlorobutadiene	29.9	10	µg/L	50.0		59.8	40-140					
Hexachlorocyclopentadiene	15.1	10	µg/L	50.0		30.3	30-140				V-05	
Hexachloroethane	26.4	10	µg/L	50.0		52.7	40-140					
Isophorone	35.5	10	µg/L	50.0		71.0	40-140					
2-Methylphenol	30.1	10	µg/L	50.0		60.1	30-130					
3/4-Methylphenol	31.5	10	µg/L	50.0		63.0	30-130					
2-Nitroaniline	40.4	10	µg/L	50.0		80.8	40-140					
3-Nitroaniline	37.2	10	µg/L	50.0		74.5	40-140					†
4-Nitroaniline	37.5	10	µg/L	50.0		74.9	40-140					
Nitrobenzene	32.4	10	µg/L	50.0		64.9	40-140					
2-Nitrophenol	34.4	10	µg/L	50.0		68.9	30-130					
4-Nitrophenol	21.0	10	µg/L	50.0		41.9	10-130					
N-Nitrosodiphenylamine/Diphenylamine	40.3	10	µg/L	50.0		80.6	40-140					
N-Nitrosodi-n-propylamine	35.5	10	µg/L	50.0		71.0	40-140					
Pentachloronitrobenzene	34.3	10	µg/L	50.0		68.7	40-140					
Pentachlorophenol	25.8	10	µg/L	50.0		51.7	30-130					
Phenol	15.8	10	µg/L	50.0		31.7	20-130					
Pyridine	10.3	5.0	µg/L	50.0		20.6	10-140					†
1,2,4,5-Tetrachlorobenzene	33.2	10	µg/L	50.0		66.5	40-140					
1,2,4-Trichlorobenzene	29.2	5.0	µg/L	50.0		58.5	40-140					
2,4,5-Trichlorophenol	38.5	10	µg/L	50.0		77.0	30-130					
2,4,6-Trichlorophenol	37.4	10	µg/L	50.0		74.8	30-130					
Surrogate: 2-Fluorophenol	*92.5*		µg/L	200		46.3	15-110					
Surrogate: Phenol-d6	*70.3*		µg/L	200		35.2	15-110					
Surrogate: Nitrobenzene-d5	*73.0*		µg/L	100		73.0	30-130					
Surrogate: 2-Fluorobiphenyl	*80.9*		µg/L	100		80.9	30-130					
Surrogate: 2,4,6-Tribromophenol	*158*		µg/L	200		78.8	15-110					
Surrogate: p-Terphenyl-d14	*87.9*		µg/L	100		87.9	30-130					
LCS Dup (B291375-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21								
Aniline	25.4	5.0	µg/L	50.0		50.8	40-140	18.1		50		† ‡
Bis(2-chloroethoxy)methane	29.8	10	µg/L	50.0		59.5	40-140	11.8		20		
Bis(2-chloroethyl)ether	26.2	10	µg/L	50.0		52.4	40-140	**24.4**	*	20	R-05	
Bis(2-chloroisopropyl)ether	29.1	10	µg/L	50.0		58.3	40-140	14.4		20		
Bis(2-Ethylhexyl)phthalate	38.6	10	µg/L	50.0		77.3	40-140	5.51		20		
4-Bromophenylphenylether	31.3	10	µg/L	50.0		62.5	40-140	10.7		20		
Butylbenzylphthalate	37.3	10	µg/L	50.0		74.6	40-140	8.23		20		
Carbazole	35.1	10	µg/L	50.0		70.1	40-140	9.15		20		
4-Chloroaniline	31.4	10	µg/L	50.0		62.8	40-140	8.85		20		†
4-Chloro-3-methylphenol	31.3	10	µg/L	50.0		62.6	30-130	13.9		20		
2-Chloronaphthalene	29.8	10	µg/L	50.0		59.6	40-140	11.8		20		
2-Chlorophenol	25.9	10	µg/L	50.0		51.7	30-130	14.7		20		
4-Chlorophenylphenylether	32.7	10	µg/L	50.0		65.5	40-140	11.1		20		
Dibenzofuran	34.4	5.0	µg/L	50.0		68.7	40-140	12.0		20		
Di-n-butylphthalate	37.1	10	µg/L	50.0		74.1	40-140	5.38		20		
3,3-Dichlorobenzidine	39.1	10	µg/L	50.0		78.2	40-140	9.01		20		† ‡
2,4-Dichlorophenol	29.9	10	µg/L	50.0		59.8	30-130	14.9		20		
Diethylphthalate	34.0	10	µg/L	50.0		68.1	40-140	9.19		20		

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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 B291375 - SW-846 3510C												
LCS Dup (B291375-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21								
2,4-Dimethylphenol	29.3	10	µg/L	50.0		58.5		30-130	11.7	20		
Dimethylphthalate	35.2	10	µg/L	50.0		70.5		40-140	10.6	50		
4,6-Dinitro-2-methylphenol	27.0	10	µg/L	50.0		54.0		30-130	8.10	50		
2,4-Dinitrophenol	24.4	10	µg/L	50.0		48.8		30-130	9.55	50	V-05	
2,4-Dinitrotoluene	36.3	10	µg/L	50.0		72.5		40-140	13.7	20		
2,6-Dinitrotoluene	37.3	10	µg/L	50.0		74.6		40-140	13.9	20		
Di-n-octylphthalate	41.3	10	µg/L	50.0		82.5		40-140	7.85	20	V-06	
Hexachlorobenzene	31.2	10	µg/L	50.0		62.3		40-140	9.48	20		
Hexachlorobutadiene	27.4	10	µg/L	50.0		54.8		40-140	8.83	20		
Hexachlorocyclopentadiene	13.8	10	µg/L	50.0		**27.5**	*	30-140	9.41	50	L-07, V-05	
Hexachloroethane	22.3	10	µg/L	50.0		44.6		40-140	16.8	50		
Isophorone	31.3	10	µg/L	50.0		62.6		40-140	12.6	20		
2-Methylphenol	26.4	10	µg/L	50.0		52.8		30-130	13.0	20		
3/4-Methylphenol	26.9	10	µg/L	50.0		53.8		30-130	15.7	20		
2-Nitroaniline	35.6	10	µg/L	50.0		71.2		40-140	12.6	20		
3-Nitroaniline	35.4	10	µg/L	50.0		70.9		40-140	4.90	20		†
4-Nitroaniline	34.0	10	µg/L	50.0		68.0		40-140	9.71	20		
Nitrobenzene	27.8	10	µg/L	50.0		55.6		40-140	15.4	20		
2-Nitrophenol	30.6	10	µg/L	50.0		61.2		30-130	11.8	20		
4-Nitrophenol	20.4	10	µg/L	50.0		40.8		10-130	2.80	50		‡
N-Nitrosodiphenylamine/Diphenylamine	36.5	10	µg/L	50.0		72.9		40-140	10.0	20		
N-Nitrosodi-n-propylamine	30.4	10	µg/L	50.0		60.9		40-140	15.4	20		
Pentachloronitrobenzene	31.9	10	µg/L	50.0		63.8		40-140	7.40	20		
Pentachlorophenol	23.9	10	µg/L	50.0		47.7		30-130	7.93	50		
Phenol	13.6	10	µg/L	50.0		27.2		20-130	15.1	20		
Pyridine	9.52	5.0	µg/L	50.0		19.0		10-140	7.97	50		†
1,2,4,5-Tetrachlorobenzene	28.9	10	µg/L	50.0		57.7		40-140	14.0	20		
1,2,4-Trichlorobenzene	26.8	5.0	µg/L	50.0		53.7		40-140	8.59	20		
2,4,5-Trichlorophenol	34.3	10	µg/L	50.0		68.5		30-130	11.7	20		
2,4,6-Trichlorophenol	33.1	10	µg/L	50.0		66.2		30-130	12.3	50		
Surrogate: 2-Fluorophenol	*78.3*		µg/L	200		39.2		15-110				
Surrogate: Phenol-d6	*60.1*		µg/L	200		30.0		15-110				
Surrogate: Nitrobenzene-d5	*62.0*		µg/L	100		62.0		30-130				
Surrogate: 2-Fluorobiphenyl	*70.0*		µg/L	100		70.0		30-130				
Surrogate: 2,4,6-Tribromophenol	*139*		µg/L	200		69.7		15-110				
Surrogate: p-Terphenyl-d14	*77.8*		µg/L	100		77.8		30-130				
Matrix Spike (B291375-MS1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/01/21								
Aniline	41.6	5.0	µg/L	50.0	ND	83.1		40-140				
Bis(2-chloroethoxy)methane	35.7	10	µg/L	50.0	ND	71.4		40-140				
Bis(2-chloroethyl)ether	41.7	10	µg/L	50.0	ND	83.4		40-140				
Bis(2-chloroisopropyl)ether	48.2	10	µg/L	50.0	ND	96.5		40-140				
Bis(2-Ethylhexyl)phthalate	40.0	10	µg/L	50.0	ND	80.1		40-140				
4-Bromophenylphenylether	33.9	10	µg/L	50.0	ND	67.7		40-140				
Butylbenzylphthalate	38.6	10	µg/L	50.0	ND	77.2		40-140				
Carbazole	35.5	10	µg/L	50.0	ND	71.0		40-140				
4-Chloroaniline	36.0	10	µg/L	50.0	ND	71.9		40-140			V-34	
4-Chloro-3-methylphenol	36.2	10	µg/L	50.0	ND	72.4		30-130				
2-Chloronaphthalene	27.7	10	µg/L	50.0	ND	55.5		40-140				
2-Chlorophenol	28.5	10	µg/L	50.0	ND	57.0		30-130				
4-Chlorophenylphenylether	33.8	10	µg/L	50.0	ND	67.5		40-140				
Dibenzofuran	34.5	5.0	µg/L	50.0	ND	69.0		40-140				

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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 B291375 - SW-846 3510C											
Matrix Spike (B291375-MS1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/01/21							
Di-n-butylphthalate	36.3	10	µg/L	50.0	ND	72.6		40-140			
3,3-Dichlorobenzidine	38.2	10	µg/L	50.0	ND	76.5		40-140			
2,4-Dichlorophenol	31.6	10	µg/L	50.0	ND	63.1		30-130			
Diethylphthalate	35.4	10	µg/L	50.0	ND	70.8		40-140			
2,4-Dimethylphenol	32.5	10	µg/L	50.0	ND	65.1		30-130			
Dimethylphthalate	35.7	10	µg/L	50.0	ND	71.3		40-140			
4,6-Dinitro-2-methylphenol	36.0	10	µg/L	50.0	ND	72.0		30-130			
2,4-Dinitrophenol	42.1	10	µg/L	50.0	ND	84.2		30-130			V-04, V-06
2,4-Dinitrotoluene	37.6	10	µg/L	50.0	ND	75.2		40-140			
2,6-Dinitrotoluene	38.7	10	µg/L	50.0	ND	77.3		40-140			
Di-n-octylphthalate	50.8	10	µg/L	50.0	ND	102		40-140			
Hexachlorobenzene	33.1	10	µg/L	50.0	ND	66.1		40-140			
Hexachlorobutadiene	25.9	10	µg/L	50.0	ND	51.9		40-140			
Hexachlorocyclopentadiene	25.4	10	µg/L	50.0	ND	50.7		40-140			
Hexachloroethane	25.8	10	µg/L	50.0	ND	51.7		40-140			
Isophorone	38.5	10	µg/L	50.0	ND	77.0		40-140			
2-Methylphenol	32.2	10	µg/L	50.0	ND	64.4		30-130			
3/4-Methylphenol	30.9	10	µg/L	50.0	ND	61.8		30-130			
2-Nitroaniline	43.8	10	µg/L	50.0	ND	87.7		40-140			V-06
3-Nitroaniline	40.9	10	µg/L	50.0	ND	81.8		40-140			
4-Nitroaniline	36.7	10	µg/L	50.0	ND	73.4		40-140			
Nitrobenzene	33.3	10	µg/L	50.0	ND	66.6		40-140			
2-Nitrophenol	31.4	10	µg/L	50.0	ND	62.8		30-130			
4-Nitrophenol	22.6	10	µg/L	50.0	ND	45.2		30-130			
N-Nitrosodiphenylamine/Diphenylamine	38.8	10	µg/L	50.0	ND	77.5		40-140			
N-Nitrosodi-n-propylamine	42.8	10	µg/L	50.0	ND	85.5		40-140			
Pentachloronitrobenzene	35.0	10	µg/L	50.0	ND	70.0		40-140			
Pentachlorophenol	31.2	10	µg/L	50.0	ND	62.4		30-130			
Phenol	17.1	10	µg/L	50.0	ND	34.1		30-130			
Pyridine	11.8	5.0	µg/L	50.0	ND	**23.6**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	30.3	10	µg/L	50.0	ND	60.5		40-140			
1,2,4-Trichlorobenzene	27.2	5.0	µg/L	50.0	ND	54.3		40-140			
2,4,5-Trichlorophenol	36.5	10	µg/L	50.0	ND	73.1		30-130			
2,4,6-Trichlorophenol	32.9	10	µg/L	50.0	ND	65.9		30-130			
Surrogate: 2-Fluorophenol	*91.6*		µg/L	200		45.8		15-110			
Surrogate: Phenol-d6	*74.0*		µg/L	200		37.0		15-110			
Surrogate: Nitrobenzene-d5	*70.8*		µg/L	100		70.8		30-130			
Surrogate: 2-Fluorobiphenyl	*72.0*		µg/L	100		72.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*157*		µg/L	200		78.7		15-110			
Surrogate: p-Terphenyl-d14	*83.7*		µg/L	100		83.7		30-130			
Matrix Spike Dup (B291375-MSD1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/01/21							
Aniline	38.6	5.1	µg/L	50.5	ND	76.3		40-140	7.50	30	
Bis(2-chloroethoxy)methane	33.5	10	µg/L	50.5	ND	66.2		40-140	6.52	30	
Bis(2-chloroethyl)ether	38.0	10	µg/L	50.5	ND	75.2		40-140	9.26	30	
Bis(2-chloroisopropyl)ether	44.9	10	µg/L	50.5	ND	89.0		40-140	7.09	30	
Bis(2-Ethylhexyl)phthalate	36.6	10	µg/L	50.5	ND	72.4		40-140	9.07	30	
4-Bromophenylphenylether	31.1	10	µg/L	50.5	ND	61.6		40-140	8.49	30	
Butylbenzylphthalate	34.7	10	µg/L	50.5	ND	68.8		40-140	10.5	30	
Carbazole	32.7	10	µg/L	50.5	ND	64.7		40-140	8.22	30	
4-Chloroaniline	31.3	10	µg/L	50.5	ND	62.0		40-140	13.9	30	V-34
4-Chloro-3-methylphenol	32.3	10	µg/L	50.5	ND	64.0		30-130	11.3	30	

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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 B291375 - SW-846 3510C											
Matrix Spike Dup (B291375-MSD1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/01/21							
2-Chloronaphthalene	25.9	10	µg/L	50.5	ND	51.4		40-140	6.63	30	
2-Chlorophenol	26.7	10	µg/L	50.5	ND	52.8		30-130	6.61	30	
4-Chlorophenylphenylether	31.0	10	µg/L	50.5	ND	61.4		40-140	8.46	30	
Dibenzofuran	32.6	5.1	µg/L	50.5	ND	64.5		40-140	5.68	30	
Di-n-butylphthalate	32.6	10	µg/L	50.5	ND	64.6		40-140	10.6	30	
3,3-Dichlorobenzidine	34.0	10	µg/L	50.5	ND	67.3		40-140	11.7	30	
2,4-Dichlorophenol	29.2	10	µg/L	50.5	ND	57.8		30-130	7.90	30	
Diethylphthalate	31.2	10	µg/L	50.5	ND	61.7		40-140	12.7	30	
2,4-Dimethylphenol	30.8	10	µg/L	50.5	ND	61.0		30-130	5.37	30	
Dimethylphthalate	32.7	10	µg/L	50.5	ND	64.8		40-140	8.57	30	
4,6-Dinitro-2-methylphenol	33.5	10	µg/L	50.5	ND	66.3		30-130	7.21	30	
2,4-Dinitrophenol	39.1	10	µg/L	50.5	ND	77.5		30-130	7.34	30	V-04, V-06
2,4-Dinitrotoluene	35.2	10	µg/L	50.5	ND	69.7		40-140	6.53	30	
2,6-Dinitrotoluene	35.5	10	µg/L	50.5	ND	70.3		40-140	8.59	30	
Di-n-octylphthalate	45.9	10	µg/L	50.5	ND	91.0		40-140	10.1	30	
Hexachlorobenzene	31.2	10	µg/L	50.5	ND	61.7		40-140	5.88	30	
Hexachlorobutadiene	25.8	10	µg/L	50.5	ND	51.1		40-140	0.550	30	
Hexachlorocyclopentadiene	24.2	10	µg/L	50.5	ND	48.0		40-140	4.55	30	
Hexachloroethane	25.0	10	µg/L	50.5	ND	49.5		40-140	3.35	30	
Isophorone	34.7	10	µg/L	50.5	ND	68.6		40-140	10.5	30	
2-Methylphenol	29.8	10	µg/L	50.5	ND	59.1		30-130	7.59	30	
3/4-Methylphenol	28.0	10	µg/L	50.5	ND	55.4		30-130	9.95	30	
2-Nitroaniline	40.2	10	µg/L	50.5	ND	79.5		40-140	8.76	30	V-06
3-Nitroaniline	35.6	10	µg/L	50.5	ND	70.6		40-140	13.7	30	
4-Nitroaniline	34.8	10	µg/L	50.5	ND	68.8		40-140	5.41	30	
Nitrobenzene	31.8	10	µg/L	50.5	ND	62.9		40-140	4.77	30	
2-Nitrophenol	30.0	10	µg/L	50.5	ND	59.3		30-130	4.60	30	
4-Nitrophenol	22.1	10	µg/L	50.5	ND	43.7		30-130	2.37	30	
N-Nitrosodiphenylamine/Diphenylamine	34.1	10	µg/L	50.5	ND	67.6		40-140	12.7	30	
N-Nitrosodi-n-propylamine	37.8	10	µg/L	50.5	ND	74.9		40-140	12.3	30	
Pentachloronitrobenzene	33.6	10	µg/L	50.5	ND	66.5		40-140	4.13	30	
Pentachlorophenol	28.0	10	µg/L	50.5	ND	55.5		30-130	10.7	30	
Phenol	15.5	10	µg/L	50.5	ND	30.7		30-130	9.68	30	
Pyridine	10.8	5.1	µg/L	50.5	ND	**21.3**	*	40-140	8.89	30	MS-09
1,2,4,5-Tetrachlorobenzene	29.3	10	µg/L	50.5	ND	58.0		40-140	3.21	30	
1,2,4-Trichlorobenzene	26.0	5.1	µg/L	50.5	ND	51.5		40-140	4.28	30	
2,4,5-Trichlorophenol	34.2	10	µg/L	50.5	ND	67.8		30-130	6.52	30	
2,4,6-Trichlorophenol	32.1	10	µg/L	50.5	ND	63.5		30-130	2.68	30	
Surrogate: 2-Fluorophenol	*87.0*		µg/L	202		43.1		15-110			
Surrogate: Phenol-d6	*64.7*		µg/L	202		32.0		15-110			
Surrogate: Nitrobenzene-d5	*67.6*		µg/L	101		66.9		30-130			
Surrogate: 2-Fluorobiphenyl	*68.1*		µg/L	101		67.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*145*		µg/L	202		71.9		15-110			
Surrogate: p-Terphenyl-d14	*76.4*		µg/L	101		75.7		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 B291378 - SW-846 3510C										
Blank (B291378-BLK1)				Prepared: 09/29/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.10	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Surrogate: o-Terphenyl (OTP)	*36.3*		µg/L	100		36.3	30-130			
LCS (B291378-BS1)				Prepared: 09/29/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	69.6	8.0	µg/L	100		69.6	40-140			
Benzo(a)anthracene (SIM)	87.8	2.0	µg/L	100		87.8	40-140			
Benzo(a)pyrene (SIM)	79.8	4.0	µg/L	100		79.8	40-140			
Benzo(b)fluoranthene (SIM)	92.4	2.0	µg/L	100		92.4	40-140			
Benzo(g,h,i)perylene (SIM)	75.1	4.0	µg/L	100		75.1	40-140			
Benzo(k)fluoranthene (SIM)	75.0	8.0	µg/L	100		75.0	40-140			
Chrysene (SIM)	93.1	4.0	µg/L	100		93.1	40-140			
Dibenz(a,h)anthracene (SIM)	81.8	4.0	µg/L	100		81.8	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	82.0	4.0	µg/L	100		82.0	40-140			
Phenanthrene (SIM)	80.1	2.0	µg/L	100		80.1	40-140			
Surrogate: o-Terphenyl (OTP)	*78.7*		µg/L	100		78.7	30-130			
LCS Dup (B291378-BSD1)				Prepared: 09/29/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	69.2	8.0	µg/L	100		69.2	40-140	0.576	20	
Benzo(a)anthracene (SIM)	90.8	2.0	µg/L	100		90.8	40-140	3.36	20	
Benzo(a)pyrene (SIM)	83.2	4.0	µg/L	100		83.2	40-140	4.22	20	
Benzo(b)fluoranthene (SIM)	97.7	2.0	µg/L	100		97.7	40-140	5.56	20	
Benzo(g,h,i)perylene (SIM)	77.2	4.0	µg/L	100		77.2	40-140	2.68	20	
Benzo(k)fluoranthene (SIM)	77.0	8.0	µg/L	100		77.0	40-140	2.58	20	
Chrysene (SIM)	94.1	4.0	µg/L	100		94.1	40-140	1.11	20	
Dibenz(a,h)anthracene (SIM)	80.8	4.0	µg/L	100		80.8	40-140	1.23	20	
Indeno(1,2,3-cd)pyrene (SIM)	84.2	4.0	µg/L	100		84.2	40-140	2.74	20	
Phenanthrene (SIM)	85.6	2.0	µg/L	100		85.6	40-140	6.62	20	
Surrogate: o-Terphenyl (OTP)	*88.6*		µg/L	100		88.6	30-130			
Batch B291400 - SW-846 3510C										
Blank (B291400-BLK1)				Prepared: 09/29/21 Analyzed: 09/30/21						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							V-20
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							

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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 B291400 - SW-846 3510C										
Blank (B291400-BLK1)				Prepared: 09/29/21 Analyzed: 09/30/21						
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*65.3*		µg/L	100		65.3	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*68.9*		µg/L	100		68.9	30-130			
Surrogate: 2-Fluorobiphenyl	*62.1*		µg/L	100		62.1	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*59.8*		µg/L	100		59.8	30-130			
Surrogate: p-Terphenyl-d14	*89.0*		µg/L	100		89.0	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*86.4*		µg/L	100		86.4	30-130			
LCS (B291400-BS1)				Prepared: 09/29/21 Analyzed: 09/30/21						
Acenaphthene (SIM)	29.5	6.0	µg/L	50.0		59.0	40-140			
Acenaphthylene (SIM)	31.2	4.0	µg/L	50.0		62.5	40-140			
Anthracene (SIM)	37.7	4.0	µg/L	50.0		75.5	40-140			
Benzo(a)anthracene (SIM)	39.4	1.0	µg/L	50.0		78.8	40-140			
Benzo(a)pyrene (SIM)	37.8	2.0	µg/L	50.0		75.6	40-140			
Benzo(b)fluoranthene (SIM)	39.4	1.0	µg/L	50.0		78.8	40-140			
Benzo(g,h,i)perylene (SIM)	34.5	10	µg/L	50.0		69.0	40-140			
Benzo(k)fluoranthene (SIM)	39.6	4.0	µg/L	50.0		79.2	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	53.5	20	µg/L	50.0		107	40-140			V-06
Chrysene (SIM)	39.7	4.0	µg/L	50.0		79.5	40-140			
Dibenz(a,h)anthracene (SIM)	36.3	2.0	µg/L	50.0		72.6	40-140			
Fluoranthene (SIM)	34.7	10	µg/L	50.0		69.4	40-140			
Fluorene (SIM)	32.2	20	µg/L	50.0		64.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	38.1	2.0	µg/L	50.0		76.2	40-140			
2-Methylnaphthalene (SIM)	37.3	20	µg/L	50.0		74.6	40-140			
Naphthalene (SIM)	31.5	20	µg/L	50.0		63.1	40-140			
Phenanthrene (SIM)	35.5	1.0	µg/L	50.0		71.0	40-140			
Pyrene (SIM)	36.9	20	µg/L	50.0		73.8	40-140			
Surrogate: Nitrobenzene-d5	*69.1*		µg/L	100		69.1	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*74.0*		µg/L	100		74.0	30-130			
Surrogate: 2-Fluorobiphenyl	*68.3*		µg/L	100		68.3	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*65.6*		µg/L	100		65.6	30-130			
Surrogate: p-Terphenyl-d14	*76.4*		µg/L	100		76.4	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*77.3*		µg/L	100		77.3	30-130			
LCS Dup (B291400-BSD1)				Prepared: 09/29/21 Analyzed: 09/30/21						
Acenaphthene (SIM)	31.1	6.0	µg/L	50.0		62.1	40-140	5.22	20	
Acenaphthylene (SIM)	32.9	4.0	µg/L	50.0		65.9	40-140	5.30	20	
Anthracene (SIM)	39.4	4.0	µg/L	50.0		78.7	40-140	4.20	20	
Benzo(a)anthracene (SIM)	40.4	1.0	µg/L	50.0		80.9	40-140	2.55	20	
Benzo(a)pyrene (SIM)	38.9	2.0	µg/L	50.0		77.9	40-140	2.97	20	
Benzo(b)fluoranthene (SIM)	40.2	1.0	µg/L	50.0		80.4	40-140	1.96	20	
Benzo(g,h,i)perylene (SIM)	36.8	10	µg/L	50.0		73.5	40-140	6.34	20	
Benzo(k)fluoranthene (SIM)	40.9	4.0	µg/L	50.0		81.9	40-140	3.28	20	
Bis(2-ethylhexyl)phthalate (SIM)	50.8	20	µg/L	50.0		102	40-140	5.21	20	V-06
Chrysene (SIM)	41.0	4.0	µg/L	50.0		82.0	40-140	3.17	20	
Dibenz(a,h)anthracene (SIM)	38.1	2.0	µg/L	50.0		76.1	40-140	4.79	20	
Fluoranthene (SIM)	35.7	10	µg/L	50.0		71.5	40-140	2.90	20	

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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 B291400 - SW-846 3510C										
LCS Dup (B291400-BSD1)				Prepared: 09/29/21 Analyzed: 09/30/21						
Fluorene (SIM)	33.8	20	µg/L	50.0		67.6	40-140	4.85	20	
Indeno(1,2,3-cd)pyrene (SIM)	40.0	2.0	µg/L	50.0		80.1	40-140	5.02	20	
2-Methylnaphthalene (SIM)	38.8	20	µg/L	50.0		77.6	40-140	3.84	20	
Naphthalene (SIM)	33.3	20	µg/L	50.0		66.6	40-140	5.49	20	
Phenanthrene (SIM)	37.1	1.0	µg/L	50.0		74.2	40-140	4.35	20	
Pyrene (SIM)	38.2	20	µg/L	50.0		76.3	40-140	3.36	20	
Surrogate: Nitrobenzene-d5	*75.3*		µg/L	100		75.3	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*78.0*		µg/L	100		78.0	30-130			
Surrogate: 2-Fluorobiphenyl	*66.6*		µg/L	100		66.6	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*67.9*		µg/L	100		67.9	30-130			
Surrogate: p-Terphenyl-d14	*77.4*		µg/L	100		77.4	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*76.3*		µg/L	100		76.3	30-130			
Batch B291494 - SW-846 3510C										
Blank (B291494-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*73.9*		µg/L	100		73.9	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*71.2*		µg/L	100		71.2	30-130			
Surrogate: 2-Fluorobiphenyl	*67.9*		µg/L	100		67.9	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*61.8*		µg/L	100		61.8	30-130			
Surrogate: p-Terphenyl-d14	*89.7*		µg/L	100		89.7	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*74.0*		µg/L	100		74.0	30-130			
LCS (B291494-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	32.8	6.0	µg/L	50.0		65.6	40-140			
Acenaphthylene (SIM)	34.3	4.0	µg/L	50.0		68.7	40-140			
Anthracene (SIM)	36.9	4.0	µg/L	50.0		73.8	40-140			
Benzo(a)anthracene (SIM)	35.3	1.0	µg/L	50.0		70.6	40-140			
Benzo(a)pyrene (SIM)	37.2	2.0	µg/L	50.0		74.4	40-140			
Benzo(b)fluoranthene (SIM)	39.6	1.0	µg/L	50.0		79.2	40-140			
Benzo(g,h,i)perylene (SIM)	37.4	10	µg/L	50.0		74.8	40-140			
Benzo(k)fluoranthene (SIM)	37.8	4.0	µg/L	50.0		75.6	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	44.6	20	µg/L	50.0		89.2	40-140			
Chrysene (SIM)	34.6	4.0	µg/L	50.0		69.2	40-140			
Dibenz(a,h)anthracene (SIM)	36.3	2.0	µg/L	50.0		72.7	40-140			

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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 B291494 - SW-846 3510C										
LCS (B291494-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Fluoranthene (SIM)	34.7	10	µg/L	50.0		69.5	40-140			
Fluorene (SIM)	34.9	20	µg/L	50.0		69.8	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	39.1	2.0	µg/L	50.0		78.1	40-140			
2-Methylnaphthalene (SIM)	32.6	20	µg/L	50.0		65.1	40-140			
Naphthalene (SIM)	27.0	20	µg/L	50.0		54.0	40-140			
Phenanthrene (SIM)	34.9	1.0	µg/L	50.0		69.8	40-140			
Pyrene (SIM)	35.3	20	µg/L	50.0		70.6	40-140			
Surrogate: Nitrobenzene-d5	*63.9*		µg/L	100		63.9	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*63.9*		µg/L	100		63.9	30-130			
Surrogate: 2-Fluorobiphenyl	*63.6*		µg/L	100		63.6	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*70.1*		µg/L	100		70.1	30-130			
Surrogate: p-Terphenyl-d14	*65.2*		µg/L	100		65.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*74.3*		µg/L	100		74.3	30-130			
LCS Dup (B291494-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	32.4	6.0	µg/L	50.0		64.8	40-140	1.23	20	
Acenaphthylene (SIM)	33.8	4.0	µg/L	50.0		67.6	40-140	1.53	20	
Anthracene (SIM)	37.0	4.0	µg/L	50.0		74.0	40-140	0.162	20	
Benzo(a)anthracene (SIM)	35.8	1.0	µg/L	50.0		71.6	40-140	1.41	20	
Benzo(a)pyrene (SIM)	37.7	2.0	µg/L	50.0		75.4	40-140	1.44	20	
Benzo(b)fluoranthene (SIM)	40.0	1.0	µg/L	50.0		80.0	40-140	1.06	20	
Benzo(g,h,i)perylene (SIM)	38.1	10	µg/L	50.0		76.2	40-140	1.80	20	
Benzo(k)fluoranthene (SIM)	38.5	4.0	µg/L	50.0		77.0	40-140	1.83	20	
Bis(2-ethylhexyl)phthalate (SIM)	45.2	20	µg/L	50.0		90.5	40-140	1.47	20	
Chrysene (SIM)	35.4	4.0	µg/L	50.0		70.8	40-140	2.34	20	
Dibenz(a,h)anthracene (SIM)	37.1	2.0	µg/L	50.0		74.1	40-140	1.96	20	
Fluoranthene (SIM)	35.2	10	µg/L	50.0		70.3	40-140	1.20	20	
Fluorene (SIM)	34.9	20	µg/L	50.0		69.9	40-140	0.172	20	
Indeno(1,2,3-cd)pyrene (SIM)	39.8	2.0	µg/L	50.0		79.5	40-140	1.78	20	
2-Methylnaphthalene (SIM)	32.2	20	µg/L	50.0		64.3	40-140	1.24	20	
Naphthalene (SIM)	27.2	20	µg/L	50.0		54.4	40-140	0.812	20	
Phenanthrene (SIM)	35.3	1.0	µg/L	50.0		70.6	40-140	1.20	20	
Pyrene (SIM)	36.2	20	µg/L	50.0		72.4	40-140	2.46	20	
Surrogate: Nitrobenzene-d5	*65.0*		µg/L	100		65.0	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*64.7*		µg/L	100		64.7	30-130			
Surrogate: 2-Fluorobiphenyl	*62.8*		µg/L	100		62.8	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*68.5*		µg/L	100		68.5	30-130			
Surrogate: p-Terphenyl-d14	*67.8*		µg/L	100		67.8	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*77.2*		µg/L	100		77.2	30-130			
Batch B291541 - SW-846 3510C										
Blank (B291541-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							V-20
Chrysene (SIM)	ND	0.20	µg/L							

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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 B291541 - SW-846 3510C										
Blank (B291541-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*50.5*		µg/L	100		50.5	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*50.1*		µg/L	100		50.1	30-130			
Surrogate: 2-Fluorobiphenyl	*42.1*		µg/L	100		42.1	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*41.8*		µg/L	100		41.8	30-130			
Surrogate: p-Terphenyl-d14	*69.7*		µg/L	100		69.7	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*68.0*		µg/L	100		68.0	30-130			
LCS (B291541-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	33.2	6.0	µg/L	50.0		66.4	40-140			
Acenaphthylene (SIM)	34.8	4.0	µg/L	50.0		69.6	40-140			
Anthracene (SIM)	37.1	4.0	µg/L	50.0		74.2	40-140			
Benzo(a)anthracene (SIM)	35.9	1.0	µg/L	50.0		71.8	40-140			
Benzo(a)pyrene (SIM)	37.4	2.0	µg/L	50.0		74.8	40-140			
Benzo(b)fluoranthene (SIM)	39.3	1.0	µg/L	50.0		78.5	40-140			
Benzo(g,h,i)perylene (SIM)	37.5	10	µg/L	50.0		74.9	40-140			
Benzo(k)fluoranthene (SIM)	37.1	4.0	µg/L	50.0		74.2	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	45.7	20	µg/L	50.0		91.4	40-140			
Chrysene (SIM)	35.1	4.0	µg/L	50.0		70.2	40-140			
Dibenz(a,h)anthracene (SIM)	36.4	2.0	µg/L	50.0		72.9	40-140			
Fluoranthene (SIM)	35.4	10	µg/L	50.0		70.8	40-140			
Fluorene (SIM)	35.1	20	µg/L	50.0		70.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	39.3	2.0	µg/L	50.0		78.6	40-140			
2-Methylnaphthalene (SIM)	34.4	20	µg/L	50.0		68.8	40-140			
Naphthalene (SIM)	29.8	20	µg/L	50.0		59.6	40-140			
Phenanthrene (SIM)	35.0	1.0	µg/L	50.0		70.0	40-140			
Pyrene (SIM)	36.1	20	µg/L	50.0		72.3	40-140			
Surrogate: Nitrobenzene-d5	*70.6*		µg/L	100		70.6	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*70.8*		µg/L	100		70.8	30-130			
Surrogate: 2-Fluorobiphenyl	*66.8*		µg/L	100		66.8	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*73.7*		µg/L	100		73.7	30-130			
Surrogate: p-Terphenyl-d14	*67.2*		µg/L	100		67.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*75.8*		µg/L	100		75.8	30-130			
LCS Dup (B291541-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	30.1	6.0	µg/L	50.0		60.2	40-140	9.92	20	
Acenaphthylene (SIM)	31.3	4.0	µg/L	50.0		62.7	40-140	10.4	20	
Anthracene (SIM)	34.2	4.0	µg/L	50.0		68.4	40-140	8.14	20	
Benzo(a)anthracene (SIM)	33.4	1.0	µg/L	50.0		66.7	40-140	7.39	20	
Benzo(a)pyrene (SIM)	35.0	2.0	µg/L	50.0		70.0	40-140	6.63	20	
Benzo(b)fluoranthene (SIM)	37.1	1.0	µg/L	50.0		74.2	40-140	5.66	20	
Benzo(g,h,i)perylene (SIM)	35.0	10	µg/L	50.0		70.0	40-140	6.85	20	
Benzo(k)fluoranthene (SIM)	35.2	4.0	µg/L	50.0		70.4	40-140	5.20	20	
Bis(2-ethylhexyl)phthalate (SIM)	42.4	20	µg/L	50.0		84.8	40-140	7.54	20	
Chrysene (SIM)	32.7	4.0	µg/L	50.0		65.5	40-140	6.96	20	

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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 B291541 - SW-846 3510C										
LCS Dup (B291541-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Dibenz(a,h)anthracene (SIM)	33.9	2.0	µg/L	50.0		67.8	40-140	7.28	20	
Fluoranthene (SIM)	32.7	10	µg/L	50.0		65.4	40-140	7.93	20	
Fluorene (SIM)	31.7	20	µg/L	50.0		63.4	40-140	10.1	20	
Indeno(1,2,3-cd)pyrene (SIM)	36.5	2.0	µg/L	50.0		73.0	40-140	7.44	20	
2-Methylnaphthalene (SIM)	30.9	20	µg/L	50.0		61.9	40-140	10.6	20	
Naphthalene (SIM)	26.5	20	µg/L	50.0		53.0	40-140	11.7	20	
Phenanthrene (SIM)	32.4	1.0	µg/L	50.0		64.8	40-140	7.78	20	
Pyrene (SIM)	33.8	20	µg/L	50.0		67.7	40-140	6.57	20	
Surrogate: Nitrobenzene-d5	*60.6*		µg/L	100		60.6	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*61.2*		µg/L	100		61.2	30-130			
Surrogate: 2-Fluorobiphenyl	*60.0*		µg/L	100		60.0	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*65.1*		µg/L	100		65.1	30-130			
Surrogate: p-Terphenyl-d14	*61.6*		µg/L	100		61.6	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*70.5*		µg/L	100		70.5	30-130			
Matrix Spike (B291541-MS1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	24.7	1.5	µg/L	50.0	ND	49.3	40-140			
Acenaphthylene (SIM)	26.4	1.0	µg/L	50.0	ND	52.8	40-140			
Anthracene (SIM)	34.1	1.0	µg/L	50.0	ND	68.2	40-140			
Benzo(a)anthracene (SIM)	36.4	0.25	µg/L	50.0	ND	72.8	40-140			
Benzo(a)pyrene (SIM)	35.7	0.50	µg/L	50.0	ND	71.4	40-140			
Benzo(b)fluoranthene (SIM)	37.4	0.25	µg/L	50.0	ND	74.7	40-140			
Benzo(g,h,i)perylene (SIM)	30.5	2.5	µg/L	50.0	ND	61.1	40-140			
Benzo(k)fluoranthene (SIM)	38.1	1.0	µg/L	50.0	ND	76.3	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	50.0	5.0	µg/L	50.0	ND	99.9	40-140			V-06
Chrysene (SIM)	35.9	1.0	µg/L	50.0	ND	71.9	40-140			
Dibenz(a,h)anthracene (SIM)	32.8	0.50	µg/L	50.0	ND	65.6	40-140			
Fluoranthene (SIM)	31.5	2.5	µg/L	50.0	ND	63.1	40-140			
Fluorene (SIM)	27.9	5.0	µg/L	50.0	ND	55.8	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	34.1	0.50	µg/L	50.0	ND	68.2	40-140			
2-Methylnaphthalene (SIM)	30.1	5.0	µg/L	50.0	ND	60.1	40-140			
Naphthalene (SIM)	24.2	5.0	µg/L	50.0	ND	48.4	40-140			
Phenanthrene (SIM)	31.1	0.25	µg/L	50.0	ND	62.2	40-140			
Pyrene (SIM)	34.0	5.0	µg/L	50.0	ND	68.0	40-140			
Surrogate: Nitrobenzene-d5	*53.7*		µg/L	100		53.7	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*56.5*		µg/L	100		56.5	30-130			
Surrogate: 2-Fluorobiphenyl	*49.5*		µg/L	100		49.5	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*51.0*		µg/L	100		51.0	30-130			
Surrogate: p-Terphenyl-d14	*66.7*		µg/L	100		66.7	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*68.7*		µg/L	100		68.7	30-130			
Matrix Spike Dup (B291541-MSD1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	25.1	1.5	µg/L	50.5	ND	49.6	40-140	1.67	30	
Acenaphthylene (SIM)	27.1	1.0	µg/L	50.5	ND	53.6	40-140	2.58	30	
Anthracene (SIM)	33.8	1.0	µg/L	50.5	ND	66.9	40-140	0.906	30	
Benzo(a)anthracene (SIM)	35.8	0.25	µg/L	50.5	ND	70.9	40-140	1.53	30	
Benzo(a)pyrene (SIM)	35.1	0.51	µg/L	50.5	ND	69.6	40-140	1.60	30	
Benzo(b)fluoranthene (SIM)	36.1	0.25	µg/L	50.5	ND	71.4	40-140	3.50	30	
Benzo(g,h,i)perylene (SIM)	32.6	2.5	µg/L	50.5	ND	64.5	40-140	6.55	30	
Benzo(k)fluoranthene (SIM)	36.8	1.0	µg/L	50.5	ND	72.8	40-140	3.67	30	
Bis(2-ethylhexyl)phthalate (SIM)	46.8	5.1	µg/L	50.5	ND	92.7	40-140	6.51	30	V-06
Chrysene (SIM)	35.6	1.0	µg/L	50.5	ND	70.5	40-140	0.849	30	

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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 B291541 - SW-846 3510C										
Matrix Spike Dup (B291541-MSD1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/01/21						
Dibenz(a,h)anthracene (SIM)	34.4	0.51	µg/L	50.5	ND	68.1	40-140	4.72	30	
Fluoranthene (SIM)	31.5	2.5	µg/L	50.5	ND	62.4	40-140	0.0146	30	
Fluorene (SIM)	28.2	5.1	µg/L	50.5	ND	55.9	40-140	1.06	30	
Indeno(1,2,3-cd)pyrene (SIM)	35.9	0.51	µg/L	50.5	ND	71.0	40-140	5.03	30	
2-Methylnaphthalene (SIM)	30.9	5.1	µg/L	50.5	ND	61.2	40-140	2.88	30	
Naphthalene (SIM)	26.0	5.1	µg/L	50.5	ND	51.4	40-140	7.01	30	
Phenanthrene (SIM)	31.1	0.25	µg/L	50.5	ND	61.7	40-140	0.133	30	
Pyrene (SIM)	32.7	5.1	µg/L	50.5	ND	64.8	40-140	3.74	30	
Surrogate: Nitrobenzene-d5	*57.8*		µg/L	101		57.2	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*61.4*		µg/L	101		60.8	30-130			
Surrogate: 2-Fluorobiphenyl	*49.3*		µg/L	101		48.8	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*52.7*		µg/L	101		52.2	30-130			
Surrogate: p-Terphenyl-d14	*61.1*		µg/L	101		60.5	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*66.3*		µg/L	101		65.6	30-130			
Batch B291642 - SW-846 3510C										
Blank (B291642-BLK1)				Prepared: 09/30/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.10	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Surrogate: o-Terphenyl (OTP)	*99.6*		µg/L	100		99.6	30-130			
LCS (B291642-BS1)				Prepared: 09/30/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	50.4	8.0	µg/L	100		50.4	40-140			
Benzo(a)anthracene (SIM)	74.2	2.0	µg/L	100		74.2	40-140			
Benzo(a)pyrene (SIM)	68.4	4.0	µg/L	100		68.4	40-140			
Benzo(b)fluoranthene (SIM)	80.0	2.0	µg/L	100		80.0	40-140			
Benzo(g,h,i)perylene (SIM)	66.1	4.0	µg/L	100		66.1	40-140			
Benzo(k)fluoranthene (SIM)	64.6	8.0	µg/L	100		64.6	40-140			
Chrysene (SIM)	79.4	4.0	µg/L	100		79.4	40-140			
Dibenz(a,h)anthracene (SIM)	71.3	4.0	µg/L	100		71.3	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	69.3	4.0	µg/L	100		69.3	40-140			
Phenanthrene (SIM)	66.2	2.0	µg/L	100		66.2	40-140			
Surrogate: o-Terphenyl (OTP)	*68.1*		µg/L	100		68.1	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 B291642 - SW-846 3510C										
LCS Dup (B291642-BSD1)				Prepared: 09/30/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	54.3	8.0	µg/L	100		54.3	40-140	7.49	20	
Benzo(a)anthracene (SIM)	81.0	2.0	µg/L	100		81.0	40-140	8.87	20	
Benzo(a)pyrene (SIM)	74.9	4.0	µg/L	100		74.9	40-140	8.99	20	
Benzo(b)fluoranthene (SIM)	88.4	2.0	µg/L	100		88.4	40-140	9.93	20	
Benzo(g,h,i)perylene (SIM)	69.8	4.0	µg/L	100		69.8	40-140	5.48	20	
Benzo(k)fluoranthene (SIM)	70.7	8.0	µg/L	100		70.7	40-140	9.11	20	
Chrysene (SIM)	86.3	4.0	µg/L	100		86.3	40-140	8.30	20	
Dibenz(a,h)anthracene (SIM)	75.9	4.0	µg/L	100		75.9	40-140	6.30	20	
Indeno(1,2,3-cd)pyrene (SIM)	73.9	4.0	µg/L	100		73.9	40-140	6.43	20	
Phenanthrene (SIM)	72.8	2.0	µg/L	100		72.8	40-140	9.38	20	
Surrogate: o-Terphenyl (OTP)	*76.8*		µg/L	100		76.8	30-130			
Matrix Spike (B291642-MS1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	50.2	7.7	µg/L	101	ND	49.7	40-140			
Benzo(a)anthracene (SIM)	72.5	1.9	µg/L	101	ND	71.8	40-140			
Benzo(a)pyrene (SIM)	66.6	3.8	µg/L	101	ND	65.9	40-140			
Benzo(b)fluoranthene (SIM)	77.3	1.9	µg/L	101	ND	76.5	40-140			
Benzo(g,h,i)perylene (SIM)	63.6	3.8	µg/L	101	ND	63.0	40-140			
Benzo(k)fluoranthene (SIM)	61.4	7.7	µg/L	101	ND	60.8	40-140			
Chrysene (SIM)	77.7	3.8	µg/L	101	ND	76.9	40-140			
Dibenz(a,h)anthracene (SIM)	69.5	3.8	µg/L	101	ND	68.8	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	67.8	3.8	µg/L	101	ND	67.1	40-140			
Phenanthrene (SIM)	64.9	1.9	µg/L	101	ND	64.2	40-140			
Surrogate: o-Terphenyl (OTP)	*66.4*		µg/L	101		65.8	30-130			
Matrix Spike Dup (B291642-MSD1)	**Source: 21I1392-06**			Prepared: 09/30/21 Analyzed: 10/04/21						
Acenaphthylene (SIM)	50.7	7.8	µg/L	102	ND	49.7	40-140	1.02	30	
Benzo(a)anthracene (SIM)	79.3	1.9	µg/L	102	ND	77.7	40-140	8.89	30	
Benzo(a)pyrene (SIM)	73.1	3.9	µg/L	102	ND	71.7	40-140	9.41	30	
Benzo(b)fluoranthene (SIM)	85.2	1.9	µg/L	102	ND	83.4	40-140	9.66	30	
Benzo(g,h,i)perylene (SIM)	68.6	3.9	µg/L	102	ND	67.2	40-140	7.55	30	
Benzo(k)fluoranthene (SIM)	68.4	7.8	µg/L	102	ND	67.0	40-140	10.8	30	
Chrysene (SIM)	84.5	3.9	µg/L	102	ND	82.8	40-140	8.44	30	
Dibenz(a,h)anthracene (SIM)	75.1	3.9	µg/L	102	ND	73.6	40-140	7.84	30	
Indeno(1,2,3-cd)pyrene (SIM)	72.4	3.9	µg/L	102	ND	70.9	40-140	6.46	30	
Phenanthrene (SIM)	71.2	1.9	µg/L	102	ND	69.8	40-140	9.35	30	
Surrogate: o-Terphenyl (OTP)	*71.5*		µg/L	102		70.1	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B291262 - SW-846 3510C											
Blank (B291262-BLK1)				Prepared: 09/29/21 Analyzed: 10/02/21							
C9-C18 Aliphatics	ND	100	µg/L								
C19-C36 Aliphatics	ND	100	µg/L								
Unadjusted C11-C22 Aromatics	ND	100	µg/L								
C11-C22 Aromatics	ND	100	µg/L								
Acenaphthene	ND	2.0	µg/L								
Anthracene	ND	2.0	µg/L								
Fluoranthene	ND	2.0	µg/L								
Fluorene	ND	2.0	µg/L								
2-Methylnaphthalene	ND	2.0	µg/L								
Naphthalene	ND	2.0	µg/L								
Pyrene	ND	2.0	µg/L								
Naphthalene-aliphatic fraction	ND	2.0	µg/L								
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L								
Surrogate: Chlorooctadecane (COD)	*24.9*		µg/L	100		**24.9**	*	40-140			S-26
Surrogate: o-Terphenyl (OTP)	*29.4*		µg/L	100		**29.4**	*	40-140			S-26
Surrogate: 2-Bromonaphthalene	*109*		µg/L	100		109		40-140			
Surrogate: 2-Fluorobiphenyl	*111*		µg/L	100		111		40-140			
LCS (B291262-BS1)				Prepared: 09/29/21 Analyzed: 10/02/21							
C9-C18 Aliphatics	393	100	µg/L	600		65.6		0-200			
C19-C36 Aliphatics	535	100	µg/L	800		66.8		0-200			
Unadjusted C11-C22 Aromatics	1240	100	µg/L	1700		73.1		0-200			
Acenaphthene	64.1	2.0	µg/L	100		64.1		40-140			
Anthracene	63.4	2.0	µg/L	100		63.4		40-140			
Fluoranthene	66.4	2.0	µg/L	100		66.4		40-140			
Fluorene	64.0	2.0	µg/L	100		64.0		40-140			
2-Methylnaphthalene	62.6	2.0	µg/L	100		62.6		40-140			
Naphthalene	58.9	2.0	µg/L	100		58.9		40-140			
Pyrene	67.9	2.0	µg/L	100		67.9		40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
Surrogate: Chlorooctadecane (COD)	*56.5*		µg/L	100		56.5		40-140			
Surrogate: o-Terphenyl (OTP)	*64.6*		µg/L	100		64.6		40-140			
Surrogate: 2-Bromonaphthalene	*105*		µg/L	100		105		40-140			
Surrogate: 2-Fluorobiphenyl	*108*		µg/L	100		108		40-140			
LCS Dup (B291262-BSD1)				Prepared: 09/29/21 Analyzed: 10/02/21							
C9-C18 Aliphatics	431	100	µg/L	600		71.9		0-200	9.17		
C19-C36 Aliphatics	618	100	µg/L	800		77.3		0-200	14.5		
Unadjusted C11-C22 Aromatics	1440	100	µg/L	1700		85.0		0-200	15.0		
Acenaphthene	76.1	2.0	µg/L	100		76.1		40-140	17.1	25	
Anthracene	79.0	2.0	µg/L	100		79.0		40-140	22.0	25	
Fluoranthene	82.5	2.0	µg/L	100		82.5		40-140	21.6	25	
Fluorene	78.1	2.0	µg/L	100		78.1		40-140	19.8	25	
2-Methylnaphthalene	69.6	2.0	µg/L	100		69.6		40-140	10.6	25	
Naphthalene	63.2	2.0	µg/L	100		63.2		40-140	7.09	25	
Pyrene	83.9	2.0	µg/L	100		83.9		40-140	21.0	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
Surrogate: Chlorooctadecane (COD)	*66.0*		µg/L	100		66.0		40-140			
Surrogate: o-Terphenyl (OTP)	*81.4*		µg/L	100		81.4		40-140			
Surrogate: 2-Bromonaphthalene	*108*		µg/L	100		108		40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291262 - SW-846 3510C										
LCS Dup (B291262-BSD1)				Prepared: 09/29/21 Analyzed: 10/02/21						
Surrogate: 2-Fluorobiphenyl	*112*		µg/L	100		112	40-140			
Batch B291388 - SW-846 3510C										
Blank (B291388-BLK1)				Prepared: 09/30/21 Analyzed: 10/02/21						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Naphthalene-aliphatic fraction	ND	2.0	µg/L							
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*61.1*		µg/L	100		61.1	40-140			
Surrogate: o-Terphenyl (OTP)	*65.2*		µg/L	100		65.2	40-140			
Surrogate: 2-Bromonaphthalene	*97.7*		µg/L	100		97.7	40-140			
Surrogate: 2-Fluorobiphenyl	*97.8*		µg/L	100		97.8	40-140			
LCS (B291388-BS1)				Prepared: 09/30/21 Analyzed: 10/02/21						
C9-C18 Aliphatics	397	100	µg/L	600		66.1	0-200			
C19-C36 Aliphatics	593	100	µg/L	800		74.2	0-200			
Unadjusted C11-C22 Aromatics	1270	100	µg/L	1700		74.6	0-200			
Acenaphthene	63.3	2.0	µg/L	100		63.3	40-140			
Anthracene	68.3	2.0	µg/L	100		68.3	40-140			
Fluoranthene	72.2	2.0	µg/L	100		72.2	40-140			
Fluorene	65.8	2.0	µg/L	100		65.8	40-140			
2-Methylnaphthalene	57.3	2.0	µg/L	100		57.3	40-140			
Naphthalene	52.5	2.0	µg/L	100		52.5	40-140			
Pyrene	73.8	2.0	µg/L	100		73.8	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*67.0*		µg/L	100		67.0	40-140			
Surrogate: o-Terphenyl (OTP)	*72.9*		µg/L	100		72.9	40-140			
Surrogate: 2-Bromonaphthalene	*103*		µg/L	100		103	40-140			
Surrogate: 2-Fluorobiphenyl	*105*		µg/L	100		105	40-140			
LCS Dup (B291388-BSD1)				Prepared: 09/30/21 Analyzed: 10/02/21						
C9-C18 Aliphatics	434	100	µg/L	600		72.4	0-200	9.06		
C19-C36 Aliphatics	685	100	µg/L	800		85.7	0-200	14.4		
Unadjusted C11-C22 Aromatics	1350	100	µg/L	1700		79.2	0-200	6.03		
Acenaphthene	58.9	2.0	µg/L	100		58.9	40-140	7.18	25	
Anthracene	65.7	2.0	µg/L	100		65.7	40-140	3.83	25	
Fluoranthene	73.4	2.0	µg/L	100		73.4	40-140	1.58	25	
Fluorene	61.2	2.0	µg/L	100		61.2	40-140	7.31	25	
2-Methylnaphthalene	53.5	2.0	µg/L	100		53.5	40-140	7.00	25	
Naphthalene	49.2	2.0	µg/L	100		49.2	40-140	6.47	25	
Pyrene	76.0	2.0	µg/L	100		76.0	40-140	2.92	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291388 - SW-846 3510C										
LCS Dup (B291388-BSD1)				Prepared: 09/30/21 Analyzed: 10/02/21						
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*79.5*		µg/L	100		79.5	40-140			
Surrogate: o-Terphenyl (OTP)	*67.7*		µg/L	100		67.7	40-140			
Surrogate: 2-Bromonaphthalene	*92.8*		µg/L	100		92.8	40-140			
Surrogate: 2-Fluorobiphenyl	*95.4*		µg/L	100		95.4	40-140			

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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 B291184 - SW-846 7470A Prep										
Blank (B291184-BLK1)				Prepared & Analyzed: 09/28/21						
Mercury	ND	0.00010	mg/L							
LCS (B291184-BS1)				Prepared & Analyzed: 09/28/21						
Mercury	0.00417	0.00010	mg/L	0.00400		104	80-120			
LCS Dup (B291184-BSD1)				Prepared & Analyzed: 09/28/21						
Mercury	0.00398	0.00010	mg/L	0.00400		99.6	80-120	4.60	20	
Matrix Spike (B291184-MS1)		**Source: 21I1392-06**		Prepared & Analyzed: 09/28/21						
Mercury	0.00428	0.00010	mg/L	0.00400	ND	107	75-125			
Matrix Spike Dup (B291184-MSD1)		**Source: 21I1392-06**		Prepared & Analyzed: 09/28/21						
Mercury	0.00398	0.00010	mg/L	0.00400	ND	99.6	75-125	7.13	20	
Batch B291477 - SW-846 3005A										
Blank (B291477-BLK1)				Prepared & Analyzed: 10/01/21						
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 (B291477-BS1)				Prepared & Analyzed: 10/01/21						
Antimony	564	10	µg/L	500		113	80-120			
Arsenic	539	8.0	µg/L	500		108	80-120			
Barium	512	100	µg/L	500		102	80-120			
Beryllium	510	4.0	µg/L	500		102	80-120			
Cadmium	521	2.0	µg/L	500		104	80-120			
Chromium	527	10	µg/L	500		105	80-120			
Copper	541	10	µg/L	500		108	80-120			
Lead	521	5.0	µg/L	500		104	80-120			
Nickel	522	50	µg/L	500		104	80-120			
Selenium	538	50	µg/L	500		108	80-120			
Silver	256	2.0	µg/L	250		102	80-120			
Thallium	515	2.0	µg/L	500		103	80-120			
Vanadium	537	50	µg/L	500		107	80-120			
Zinc	529	100	µg/L	500		106	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 B291477 - SW-846 3005A										
LCS Dup (B291477-BSD1)				Prepared & Analyzed: 10/01/21						
Antimony	522	10	µg/L	500		104	80-120	7.77	20	
Arsenic	495	8.0	µg/L	500		98.9	80-120	8.56	20	
Barium	469	100	µg/L	500		93.7	80-120	8.83	20	
Beryllium	485	4.0	µg/L	500		97.0	80-120	5.06	20	
Cadmium	477	2.0	µg/L	500		95.5	80-120	8.82	20	
Chromium	498	10	µg/L	500		99.6	80-120	5.77	20	
Copper	516	10	µg/L	500		103	80-120	4.67	20	
Lead	476	5.0	µg/L	500		95.2	80-120	8.98	20	
Nickel	497	50	µg/L	500		99.4	80-120	5.00	20	
Selenium	482	50	µg/L	500		96.4	80-120	11.0	20	
Silver	236	2.0	µg/L	250		94.4	80-120	8.03	20	
Thallium	473	2.0	µg/L	500		94.5	80-120	8.59	20	
Vanadium	508	50	µg/L	500		102	80-120	5.52	20	
Zinc	481	100	µg/L	500		96.1	80-120	9.66	20	
Matrix Spike (B291477-MS1)	**Source: 21I1392-06**			Prepared & Analyzed: 10/01/21						
Antimony	549	10	µg/L	500	ND	110	75-125			
Arsenic	521	8.0	µg/L	500	ND	104	75-125			
Barium	631	100	µg/L	500	133	99.4	75-125			
Beryllium	505	4.0	µg/L	500	ND	101	75-125			
Cadmium	507	2.0	µg/L	500	ND	101	75-125			
Chromium	512	10	µg/L	500	ND	102	75-125			
Copper	527	10	µg/L	500	4.93	104	75-125			
Lead	507	5.0	µg/L	500	ND	101	75-125			
Nickel	506	50	µg/L	500	ND	101	75-125			
Selenium	520	50	µg/L	500	ND	104	75-125			
Silver	246	2.0	µg/L	250	ND	98.5	75-125			
Thallium	508	2.0	µg/L	500	ND	102	75-125			
Vanadium	529	50	µg/L	500	ND	106	75-125			
Zinc	1100	100	µg/L	500	580	104	75-125			
Matrix Spike Dup (B291477-MSD1)	**Source: 21I1392-06**			Prepared & Analyzed: 10/01/21						
Antimony	545	10	µg/L	500	ND	109	75-125	0.755	20	
Arsenic	526	8.0	µg/L	500	ND	105	75-125	0.874	20	
Barium	636	100	µg/L	500	133	101	75-125	0.853	20	
Beryllium	510	4.0	µg/L	500	ND	102	75-125	1.03	20	
Cadmium	501	2.0	µg/L	500	ND	100	75-125	1.23	20	
Chromium	511	10	µg/L	500	ND	102	75-125	0.0551	20	
Copper	526	10	µg/L	500	4.93	104	75-125	0.245	20	
Lead	503	5.0	µg/L	500	ND	101	75-125	0.818	20	
Nickel	501	50	µg/L	500	ND	100	75-125	0.985	20	
Selenium	523	50	µg/L	500	ND	105	75-125	0.668	20	
Silver	245	2.0	µg/L	250	ND	97.9	75-125	0.605	20	
Thallium	497	2.0	µg/L	500	ND	99.5	75-125	2.14	20	
Vanadium	539	50	µg/L	500	ND	108	75-125	1.82	20	
Zinc	1120	100	µg/L	500	580	108	75-125	1.78	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-17	Compound classified by CT RCP as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-26	Surrogate outside of control limits.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high 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
MADEP EPH rev 2.1 in Soil	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
MADEP EPH rev 2.1 in Water	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
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 8260D in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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 8270E in Water	
Acenaphthene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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	09/6/2022

21I1392

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

http://www.pacelabs.com
CHAIN OF CUSTODY RECORD
39 Spruce Street
East Longmeadow, MA 01028
Doc # 381 Rev 5_07/13/2021
Page 1 of ____

Company Name: Apex Companies LLC
Address: 58 H Connecticut Ave, Suite 1 Windsor
Phone: 460-242-1700
Project Name: Eversource Energy - Wethersfield
Project Location: EE- Wethersfield
Project Number: 6089-015-2021
Project Manager: Dan Wilson
Pace Quote Name/Number: 6089-015-2021
Invoice Recipient: Apex Companies LLC
Sampled By: M. Ludny

Requested Turnaround Time: 5 Day ✓ 10-Day ☐ PFAS 10-Day (std) ☐ Due Date:
Rush/Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☐ EXCEL ☐ Other: CLP Like Data Pkg Required: ☐ Email To: dwilson@apexlios.com Fax To #:
Dissolved Metals Samples: ✓ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
PCB ONLY: SOXHLET ☐ NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	VOCs 8260	SVOCs (SIMs for PAHs)	EPH	Total RSR Metals + Hexavalent Chromium	Dissolved RSR metals
1	TB20210923	9/23/21	8:00	—	O	C	2					X				
2	AP-3R	9/23/21	9:30	Grab	GW	U	3	4	2			X	X	X	X	
3	AP-11R	9/23/21	12:40	Grab	GW	U	3	4	2			X	X	X	X	
4	DUP20210923	9/23/21	—	Grab	GW	U	3	4	2			X	X	X	X	
5	AP-12R	9/23/21	11:00	Grab	GW	U	3	3	2			X	X	X	X	
6	AP-15R-BR ms/msd	9/24/21	8:30	Grab	GW	U	9	12	6			X	X	X	X	
7	TB20210924	9/24/21	7:00	—	O	C	2					X				
8	AP-6R	9/24/21	1:10	Grab	GW	U	3	4	2			X	X	X	X	

Relinquished by: (signature) Date/Time: 9/24/21
Received by: (signature) Date/Time: 9/24/21 1545
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: * Hold Dissolved CT RSRs metals *
* Bis(2-Ethylhexyl)phthalate needs to be below 2ug/L *

Detection Limit Requirements: MA ____ GW CT RSR GA, SVOC, RVC and I/C VC Other: ____

Special Requirements: ☐ MA MCP Required ☐ MCP Certification Form Required ✓ CT RCP Required ☐ RCP Certification Form Required ☐ MA State DW Required PWSID #

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

NELAC and AIHA-LAP, LLC Accredited

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

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

Courier Use Only
Total Number Of:
VIALS ____
GLASS ____
PLASTIC ____
BACTERIA ____
ENCORE ____

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

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

[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)

[2] Preservation Code

Comments:

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

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

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

Received By [signature] Date 4/24/24 Time 1515

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 F,T,F,T By Gun # 3 Actual Temp - 11.2, 4.1, 7.8, 5.7

By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

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

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

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

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

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

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

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid T Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	31	1 Liter Plastic		16 oz Amb.	
HCL-	28	500 mL Amb.		500 mL Plastic	16	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: EE-Wethersfield

Project Number: 21I1392

Laboratory Sample ID(s):

21I1392-01 thru 21I1392-08

Sample Date(s):

09/23/2021,
09/24/2021

List RCP Methods Used:

MADEP EPH rev 2.1, SW-846 6020B, SW-846 7470A, SW-846 8260D, SW-846 8270E

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

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

Lisa A. Worthington

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

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

Printed Name: **Lisa A. Worthington** **Date:** **10/05/21**

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

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

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October 4, 2021

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

Project Location: EE-Wethersfield
Client Job Number:
Project Number: 6089-015
Laboratory Work Order Number: 21I1390

Enclosed are results of analyses for samples as received by the laboratory on September 24, 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: Don Wilson

REPORT DATE: 10/4/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21I1390

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

PROJECT LOCATION: EE-Wethersfield

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AP-3R Filtered	21I1390-01	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8270E	
AP-15R-BR Filtered	21I1390-02	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

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SW-846 8270E

Qualifications:

L-04

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
21I1390-01[AP-3R Filtered], B291370-BLK1, B291370-BS1, B291370-BSD1

L-07

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
B291375-BSD1

R-05

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

Analyte & Samples(s) Qualified:

Bis(2-chloroethyl)ether
21I1390-02[AP-15R-BR Filtered], B291375-BLK1, B291375-BS1, B291375-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Hexachlorobenzene
21I1390-01[AP-3R Filtered], 21I1390-02[AP-15R-BR Filtered]

Pentachlorophenol
21I1390-01[AP-3R Filtered], 21I1390-02[AP-15R-BR Filtered]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21I1390-02[AP-15R-BR Filtered], B291375-BLK1, S063810-CCV1

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:

2,4-Dinitrophenol
21I1390-01[AP-3R Filtered], B291370-BLK1, B291370-BS1, B291370-BSD1, B291375-BS1, B291375-BSD1

Hexachlorocyclopentadiene
21I1390-01[AP-3R Filtered], B291370-BLK1, B291370-BS1, B291370-BSD1, B291375-BS1, B291375-BSD1, S063807-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
S063810-CCV1

2-Nitroaniline
S063810-CCV1

Bis(2-ethylhexyl)phthalate (SIM)
S063837-CCV1

Di-n-octylphthalate
B291370-BS1, B291370-BSD1, B291375-BS1, B291375-BSD1, S063807-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21I1390-02[AP-15R-BR Filtered], B291375-BLK1

2-Nitroaniline
21I1390-02[AP-15R-BR Filtered], B291375-BLK1

Bis(2-ethylhexyl)phthalate (SIM)
21I1390-02[AP-15R-BR Filtered], B291541-BLK1

Di-n-octylphthalate
21I1390-01[AP-3R Filtered], B291370-BLK1

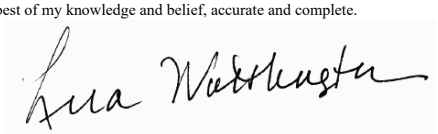
V-34

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:

4-Chloroaniline
21I1390-01[AP-3R Filtered], 21I1390-02[AP-15R-BR Filtered], B291370-BLK1, B291370-BS1, B291370-BSD1, B291375-BLK1, S063810-CCV1

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



Lisa A. Worthington
Technical Representative

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

Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1390

Date Received: 9/24/2021

Field Sample #: AP-3R Filtered | Sampled: 9/23/2021 09:30

Sample ID: 21I1390-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Aniline	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Bis(2-chloroethoxy)methane	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Bis(2-chloroethyl)ether	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Bis(2-chloroisopropyl)ether	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.97	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Bis(2-Ethylhexyl)phthalate	ND	1.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
4-Bromophenylphenylether	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Butylbenzylphthalate	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Carbazole	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
4-Chloroaniline	ND	9.7	µg/L	1	V-34	SW-846 8270E	9/30/21	10/1/21 11:16	IMR
4-Chloro-3-methylphenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2-Chloronaphthalene	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2-Chlorophenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
4-Chlorophenylphenylether	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Di-n-butylphthalate	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
3,3-Dichlorobenzidine	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2,4-Dichlorophenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Diethylphthalate	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2,4-Dimethylphenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Dimethylphthalate	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
4,6-Dinitro-2-methylphenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2,4-Dinitrophenol	ND	9.7	µg/L	1	V-05	SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2,4-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2,6-Dinitrotoluene	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Di-n-octylphthalate	ND	9.7	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Hexachlorobenzene	ND	1.9	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Hexachlorobutadiene	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Hexachlorocyclopentadiene	ND	9.7	µg/L	1	V-05, L-04	SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Hexachloroethane	ND	1.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Isophorone	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1390

Date Received: 9/24/2021

Field Sample #: AP-3R Filtered | Sampled: 9/23/2021 09:30

Sample ID: 21I1390-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
2-Methylphenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
3/4-Methylphenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
2-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
3-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
4-Nitroaniline	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Nitrobenzene	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
4-Nitrophenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
N-Nitrosodi-n-propylamine	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Pentachloronitrobenzene	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Pentachlorophenol	ND	4.9	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Phenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	9/30/21	10/1/21 12:53	IMR
Pyridine	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2,4,5-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR
2,4,6-Trichlorophenol	ND	9.7	µg/L	1		SW-846 8270E	9/30/21	10/1/21 11:16	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.9	15-110		10/1/21 11:16
Phenol-d6	32.8	15-110		10/1/21 11:16
Nitrobenzene-d5	61.8	30-130		10/1/21 11:16
Nitrobenzene-d5	57.5	30-130		10/1/21 12:53
2-Fluorobiphenyl	53.5	30-130		10/1/21 12:53
2-Fluorobiphenyl	72.3	30-130		10/1/21 11:16
2,4,6-Tribromophenol	71.4	15-110		10/1/21 11:16
p-Terphenyl-d14	86.0	30-130		10/1/21 11:16
p-Terphenyl-d14	63.8	30-130		10/1/21 12:53

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1390

Date Received: 9/24/2021

Field Sample #: AP-3R Filtered | Sampled: 9/23/2021 09:30

Sample ID: 21I1390-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Barium	230	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/4/21 14:10	QNW
Cadmium	0.12	0.20	0.027	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Chromium	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Copper	2.4	1.0	0.27	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:17	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:37	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 17:27	QNW
Zinc	4.0	10	3.4	µg/L	1	J	SW-846 6020B	10/1/21	10/1/21 16:37	QNW

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1390

Date Received: 9/24/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 9/24/2021 08:30

Sample ID: 21I1390-02

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	0.32	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Acenaphthylene (SIM)	ND	0.21	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Aniline	ND	5.3	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Anthracene (SIM)	ND	0.21	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Benzo(a)anthracene (SIM)	ND	0.053	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Benzo(a)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Benzo(b)fluoranthene (SIM)	ND	0.053	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.53	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Benzo(k)fluoranthene (SIM)	ND	0.21	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Bis(2-chloroethoxy)methane	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Bis(2-chloroethyl)ether	ND	11	µg/L	1	R-05	SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Bis(2-chloroisopropyl)ether	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.1	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
4-Bromophenylphenylether	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Butylbenzylphthalate	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Carbazole	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
4-Chloroaniline	ND	11	µg/L	1	V-34	SW-846 8270E	9/30/21	10/1/21 15:48	IMR
4-Chloro-3-methylphenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2-Chloronaphthalene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2-Chlorophenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
4-Chlorophenylphenylether	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Chrysene (SIM)	ND	0.21	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Dibenzofuran	ND	5.3	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Di-n-butylphthalate	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
3,3-Dichlorobenzidine	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2,4-Dichlorophenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Diethylphthalate	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2,4-Dimethylphenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Dimethylphthalate	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
4,6-Dinitro-2-methylphenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2,4-Dinitrophenol	ND	11	µg/L	1	V-04, V-20	SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2,4-Dinitrotoluene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2,6-Dinitrotoluene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Di-n-octylphthalate	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Fluoranthene (SIM)	ND	0.53	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Fluorene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Hexachlorobenzene	ND	2.1	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Hexachlorobutadiene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Hexachlorocyclopentadiene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Hexachloroethane	ND	2.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Isophorone	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1390

Date Received: 9/24/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 9/24/2021 08:30

Sample ID: 21I1390-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
2-Methylphenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
3/4-Methylphenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Naphthalene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
2-Nitroaniline	ND	11	µg/L	1	V-20	SW-846 8270E	9/30/21	10/1/21 15:48	IMR
3-Nitroaniline	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
4-Nitroaniline	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Nitrobenzene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2-Nitrophenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
4-Nitrophenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
N-Nitrosodi-n-propylamine	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Pentachloronitrobenzene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Pentachlorophenol	ND	5.3	µg/L	1	RL-03	SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Phenanthrene (SIM)	ND	0.053	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Phenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
Pyrene (SIM)	ND	1.1	µg/L	1		SW-846 8270E	9/30/21	10/1/21 17:14	IMR
Pyridine	ND	5.3	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
1,2,4,5-Tetrachlorobenzene	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
1,2,4-Trichlorobenzene	ND	5.3	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2,4,5-Trichlorophenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR
2,4,6-Trichlorophenol	ND	11	µg/L	1		SW-846 8270E	9/30/21	10/1/21 15:48	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	32.6	15-110		10/1/21 15:48
Phenol-d6	24.6	15-110		10/1/21 15:48
Nitrobenzene-d5	52.9	30-130		10/1/21 15:48
Nitrobenzene-d5	41.4	30-130		10/1/21 17:14
2-Fluorobiphenyl	38.4	30-130		10/1/21 17:14
2-Fluorobiphenyl	56.1	30-130		10/1/21 15:48
2,4,6-Tribromophenol	69.1	15-110		10/1/21 15:48
p-Terphenyl-d14	67.6	30-130		10/1/21 17:14
p-Terphenyl-d14	78.5	30-130		10/1/21 15:48

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Project Location: EE-Wethersfield | Sample Description: | Work Order: 21I1390

Date Received: 9/24/2021

Field Sample #: AP-15R-BR Filtered | Sampled: 9/24/2021 08:30

Sample ID: 21I1390-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Arsenic	5.4	0.80		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Barium	260	10		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	10/1/21	10/4/21 14:12	QNW
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Chromium	1.6	1.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Copper	2.3	1.0	0.27	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Lead	ND	0.50		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	9/28/21	9/28/21 17:23	DRL
Nickel	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Selenium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Silver	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Thallium	ND	0.20		µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	10/1/21	10/1/21 17:31	QNW
Zinc	16	10	3.4	µg/L	1		SW-846 6020B	10/1/21	10/1/21 16:40	QNW

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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
21I1390-01 [AP-3R Filtered]	B291477	50.0	50.0	10/01/21
21I1390-02 [AP-15R-BR Filtered]	B291477	50.0	50.0	10/01/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1390-01 [AP-3R Filtered]	B291184	6.00	6.00	09/28/21
21I1390-02 [AP-15R-BR Filtered]	B291184	6.00	6.00	09/28/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1390-01 [AP-3R Filtered]	B291370	1030	1.00	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1390-02 [AP-15R-BR Filtered]	B291375	950	1.00	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1390-01 [AP-3R Filtered]	B291494	1030	1.00	09/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1390-02 [AP-15R-BR Filtered]	B291541	950	1.00	09/30/21

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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 B291370 - SW-846 3510C										
Blank (B291370-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							V-20
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							L-04, V-05
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*81.2*		µg/L	200		40.6	15-110			
Surrogate: Phenol-d6	*62.1*		µg/L	200		31.1	15-110			
Surrogate: Nitrobenzene-d5	*66.6*		µg/L	100		66.6	30-130			
Surrogate: 2-Fluorobiphenyl	*76.3*		µg/L	100		76.3	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 B291370 - SW-846 3510C											
Blank (B291370-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Surrogate: 2,4,6-Tribromophenol	*147*		µg/L	200		73.4	15-110				
Surrogate: p-Terphenyl-d14	*89.1*		µg/L	100		89.1	30-130				
LCS (B291370-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Aniline	28.3	5.0	µg/L	50.0		56.6	40-140				†
Bis(2-chloroethoxy)methane	32.4	10	µg/L	50.0		64.9	40-140				
Bis(2-chloroethyl)ether	29.0	10	µg/L	50.0		58.0	40-140				
Bis(2-chloroisopropyl)ether	29.8	10	µg/L	50.0		59.7	40-140				
Bis(2-Ethylhexyl)phthalate	42.5	10	µg/L	50.0		84.9	40-140				
4-Bromophenylphenylether	34.0	10	µg/L	50.0		67.9	40-140				
Butylbenzylphthalate	41.5	10	µg/L	50.0		83.0	40-140				
Carbazole	39.2	10	µg/L	50.0		78.4	40-140				
4-Chloroaniline	33.1	10	µg/L	50.0		66.3	40-140			V-34	†
4-Chloro-3-methylphenol	35.1	10	µg/L	50.0		70.2	30-130				
2-Chloronaphthalene	35.1	10	µg/L	50.0		70.2	40-140				
2-Chlorophenol	26.4	10	µg/L	50.0		52.8	30-130				
4-Chlorophenylphenylether	36.4	10	µg/L	50.0		72.7	40-140				
Dibenzofuran	37.8	5.0	µg/L	50.0		75.5	40-140				
Di-n-butylphthalate	39.9	10	µg/L	50.0		79.8	40-140				
3,3-Dichlorobenzidine	41.6	10	µg/L	50.0		83.2	40-140				†
2,4-Dichlorophenol	32.7	10	µg/L	50.0		65.4	30-130				
Diethylphthalate	37.1	10	µg/L	50.0		74.1	40-140				
2,4-Dimethylphenol	32.7	10	µg/L	50.0		65.3	30-130				
Dimethylphthalate	38.6	10	µg/L	50.0		77.2	40-140				
4,6-Dinitro-2-methylphenol	28.5	10	µg/L	50.0		57.0	30-130				
2,4-Dinitrophenol	25.8	10	µg/L	50.0		51.6	30-130			V-05	
2,4-Dinitrotoluene	39.6	10	µg/L	50.0		79.1	40-140				
2,6-Dinitrotoluene	41.2	10	µg/L	50.0		82.3	40-140				
Di-n-octylphthalate	47.4	10	µg/L	50.0		94.8	40-140			V-06	
Hexachlorobenzene	33.1	10	µg/L	50.0		66.2	40-140				
Hexachlorobutadiene	25.3	10	µg/L	50.0		50.6	40-140				
Hexachlorocyclopentadiene	13.4	10	µg/L	50.0		**26.8**	* 30-140			L-04, V-05	
Hexachloroethane	21.7	10	µg/L	50.0		43.3	40-140				
Isophorone	35.0	10	µg/L	50.0		69.9	40-140				
2-Methylphenol	29.1	10	µg/L	50.0		58.3	30-130				
3/4-Methylphenol	30.0	10	µg/L	50.0		60.0	30-130				
2-Nitroaniline	38.8	10	µg/L	50.0		77.5	40-140				
3-Nitroaniline	38.0	10	µg/L	50.0		76.0	40-140				†
4-Nitroaniline	38.3	10	µg/L	50.0		76.6	40-140				
Nitrobenzene	29.0	10	µg/L	50.0		58.0	40-140				
2-Nitrophenol	32.6	10	µg/L	50.0		65.2	30-130				
4-Nitrophenol	20.9	10	µg/L	50.0		41.8	10-130				
N-Nitrosodiphenylamine/Diphenylamine	39.7	10	µg/L	50.0		79.4	40-140				
N-Nitrosodi-n-propylamine	33.3	10	µg/L	50.0		66.5	40-140				
Pentachloronitrobenzene	36.7	10	µg/L	50.0		73.4	40-140				
Pentachlorophenol	26.0	10	µg/L	50.0		52.0	30-130				
Phenol	14.4	10	µg/L	50.0		28.9	20-130				
Pyridine	9.86	5.0	µg/L	50.0		19.7	10-140				†
1,2,4,5-Tetrachlorobenzene	31.0	10	µg/L	50.0		62.0	40-140				
1,2,4-Trichlorobenzene	25.6	5.0	µg/L	50.0		51.1	40-140				
2,4,5-Trichlorophenol	37.8	10	µg/L	50.0		75.6	30-130				
2,4,6-Trichlorophenol	35.9	10	µg/L	50.0		71.8	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 B291370 - SW-846 3510C											
LCS (B291370-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Surrogate: 2-Fluorophenol	*77.4*		µg/L	200		38.7	15-110				
Surrogate: Phenol-d6	*63.4*		µg/L	200		31.7	15-110				
Surrogate: Nitrobenzene-d5	*64.8*		µg/L	100		64.8	30-130				
Surrogate: 2-Fluorobiphenyl	*77.1*		µg/L	100		77.1	30-130				
Surrogate: 2,4,6-Tribromophenol	*146*		µg/L	200		72.8	15-110				
Surrogate: p-Terphenyl-d14	*85.0*		µg/L	100		85.0	30-130				
LCS Dup (B291370-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Aniline	28.6	5.0	µg/L	50.0		57.3	40-140	1.12	50		† ‡
Bis(2-chloroethoxy)methane	33.0	10	µg/L	50.0		66.0	40-140	1.74	20		
Bis(2-chloroethyl)ether	32.5	10	µg/L	50.0		65.1	40-140	11.4	20		
Bis(2-chloroisopropyl)ether	33.0	10	µg/L	50.0		66.0	40-140	10.1	20		
Bis(2-Ethylhexyl)phthalate	44.2	10	µg/L	50.0		88.4	40-140	3.95	20		
4-Bromophenylphenylether	35.5	10	µg/L	50.0		71.1	40-140	4.52	20		
Butylbenzylphthalate	42.9	10	µg/L	50.0		85.7	40-140	3.25	20		
Carbazole	39.8	10	µg/L	50.0		79.7	40-140	1.67	20		
4-Chloroaniline	33.2	10	µg/L	50.0		66.4	40-140	0.181	20	V-34	†
4-Chloro-3-methylphenol	36.5	10	µg/L	50.0		73.1	30-130	3.99	20		
2-Chloronaphthalene	34.2	10	µg/L	50.0		68.3	40-140	2.71	20		
2-Chlorophenol	29.4	10	µg/L	50.0		58.8	30-130	10.6	20		
4-Chlorophenylphenylether	38.2	10	µg/L	50.0		76.4	40-140	4.88	20		
Dibenzofuran	39.0	5.0	µg/L	50.0		78.1	40-140	3.33	20		
Di-n-butylphthalate	41.8	10	µg/L	50.0		83.5	40-140	4.53	20		
3,3-Dichlorobenzidine	43.8	10	µg/L	50.0		87.5	40-140	5.06	20		† ‡
2,4-Dichlorophenol	33.7	10	µg/L	50.0		67.3	30-130	2.92	20		
Diethylphthalate	38.6	10	µg/L	50.0		77.2	40-140	4.04	20		
2,4-Dimethylphenol	32.6	10	µg/L	50.0		65.2	30-130	0.153	20		
Dimethylphthalate	39.6	10	µg/L	50.0		79.2	40-140	2.58	50		
4,6-Dinitro-2-methylphenol	30.0	10	µg/L	50.0		60.1	30-130	5.30	50		
2,4-Dinitrophenol	29.2	10	µg/L	50.0		58.4	30-130	12.4	50	V-05	
2,4-Dinitrotoluene	42.7	10	µg/L	50.0		85.5	40-140	7.70	20		
2,6-Dinitrotoluene	43.7	10	µg/L	50.0		87.4	40-140	5.99	20		
Di-n-octylphthalate	49.1	10	µg/L	50.0		98.2	40-140	3.48	20	V-06	
Hexachlorobenzene	34.5	10	µg/L	50.0		68.9	40-140	4.09	20		
Hexachlorobutadiene	27.5	10	µg/L	50.0		54.9	40-140	8.15	20		
Hexachlorocyclopentadiene	14.6	10	µg/L	50.0		**29.3**	* 30-140	8.92	50	L-04, V-05	
Hexachloroethane	24.5	10	µg/L	50.0		48.9	40-140	12.1	50		
Isophorone	35.1	10	µg/L	50.0		70.1	40-140	0.286	20		
2-Methylphenol	30.9	10	µg/L	50.0		61.7	30-130	5.77	20		
3/4-Methylphenol	31.2	10	µg/L	50.0		62.5	30-130	4.08	20		
2-Nitroaniline	38.7	10	µg/L	50.0		77.4	40-140	0.232	20		
3-Nitroaniline	38.0	10	µg/L	50.0		76.0	40-140	0.0263	20		†
4-Nitroaniline	40.8	10	µg/L	50.0		81.6	40-140	6.27	20		
Nitrobenzene	32.5	10	µg/L	50.0		65.0	40-140	11.3	20		
2-Nitrophenol	34.2	10	µg/L	50.0		68.4	30-130	4.88	20		
4-Nitrophenol	22.5	10	µg/L	50.0		45.0	10-130	7.51	50		‡
N-Nitrosodiphenylamine/Diphenylamine	40.1	10	µg/L	50.0		80.3	40-140	1.13	20		
N-Nitrosodi-n-propylamine	36.4	10	µg/L	50.0		72.9	40-140	9.15	20		
Pentachloronitrobenzene	38.7	10	µg/L	50.0		77.4	40-140	5.22	20		
Pentachlorophenol	27.5	10	µg/L	50.0		54.9	30-130	5.50	50		
Phenol	15.7	10	µg/L	50.0		31.4	20-130	8.56	20		
Pyridine	8.76	5.0	µg/L	50.0		17.5	10-140	11.8	50		†

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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 B291370 - SW-846 3510C										
LCS Dup (B291370-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
1,2,4,5-Tetrachlorobenzene	31.2	10	µg/L	50.0		62.4	40-140	0.675	20	
1,2,4-Trichlorobenzene	28.5	5.0	µg/L	50.0		57.0	40-140	10.9	20	
2,4,5-Trichlorophenol	38.3	10	µg/L	50.0		76.6	30-130	1.31	20	
2,4,6-Trichlorophenol	36.8	10	µg/L	50.0		73.7	30-130	2.56	50	
Surrogate: 2-Fluorophenol	*89.8*		µg/L	200		44.9	15-110			
Surrogate: Phenol-d6	*68.9*		µg/L	200		34.5	15-110			
Surrogate: Nitrobenzene-d5	*70.1*		µg/L	100		70.1	30-130			
Surrogate: 2-Fluorobiphenyl	*77.9*		µg/L	100		77.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*161*		µg/L	200		80.3	15-110			
Surrogate: p-Terphenyl-d14	*90.0*		µg/L	100		90.0	30-130			
Batch B291375 - SW-846 3510C										
Blank (B291375-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							R-05
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-20
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	2.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							V-20
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							

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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 B291375 - SW-846 3510C											
Blank (B291375-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21							
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*73.6*		µg/L	200		36.8	15-110				
Surrogate: Phenol-d6	*56.4*		µg/L	200		28.2	15-110				
Surrogate: Nitrobenzene-d5	*57.2*		µg/L	100		57.2	30-130				
Surrogate: 2-Fluorobiphenyl	*55.6*		µg/L	100		55.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*135*		µg/L	200		67.5	15-110				
Surrogate: p-Terphenyl-d14	*82.3*		µg/L	100		82.3	30-130				
LCS (B291375-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21							
Aniline	30.5	5.0	µg/L	50.0		61.0	40-140				†
Bis(2-chloroethoxy)methane	33.5	10	µg/L	50.0		67.0	40-140				
Bis(2-chloroethyl)ether	33.5	10	µg/L	50.0		66.9	40-140			R-05	
Bis(2-chloroisopropyl)ether	33.6	10	µg/L	50.0		67.3	40-140				
Bis(2-Ethylhexyl)phthalate	40.8	10	µg/L	50.0		81.7	40-140				
4-Bromophenylphenylether	34.8	10	µg/L	50.0		69.6	40-140				
Butylbenzylphthalate	40.5	10	µg/L	50.0		81.0	40-140				
Carbazole	38.4	10	µg/L	50.0		76.8	40-140				
4-Chloroaniline	34.3	10	µg/L	50.0		68.6	40-140				†
4-Chloro-3-methylphenol	36.0	10	µg/L	50.0		71.9	30-130				
2-Chloronaphthalene	33.5	10	µg/L	50.0		67.1	40-140				
2-Chlorophenol	30.0	10	µg/L	50.0		59.9	30-130				
4-Chlorophenylphenylether	36.6	10	µg/L	50.0		73.1	40-140				
Dibenzofuran	38.7	5.0	µg/L	50.0		77.5	40-140				
Di-n-butylphthalate	39.1	10	µg/L	50.0		78.2	40-140				
3,3-Dichlorobenzidine	42.8	10	µg/L	50.0		85.6	40-140				†
2,4-Dichlorophenol	34.7	10	µg/L	50.0		69.4	30-130				
Diethylphthalate	37.3	10	µg/L	50.0		74.7	40-140				
2,4-Dimethylphenol	32.9	10	µg/L	50.0		65.8	30-130				
Dimethylphthalate	39.2	10	µg/L	50.0		78.4	40-140				
4,6-Dinitro-2-methylphenol	29.3	10	µg/L	50.0		58.6	30-130				
2,4-Dinitrophenol	26.9	10	µg/L	50.0		53.7	30-130			V-05	
2,4-Dinitrotoluene	41.6	10	µg/L	50.0		83.2	40-140				
2,6-Dinitrotoluene	42.9	10	µg/L	50.0		85.8	40-140				
Di-n-octylphthalate	44.6	10	µg/L	50.0		89.3	40-140			V-06	
Hexachlorobenzene	34.3	10	µg/L	50.0		68.5	40-140				
Hexachlorobutadiene	29.9	10	µg/L	50.0		59.8	40-140				
Hexachlorocyclopentadiene	15.1	10	µg/L	50.0		30.3	30-140			V-05	
Hexachloroethane	26.4	10	µg/L	50.0		52.7	40-140				
Isophorone	35.5	10	µg/L	50.0		71.0	40-140				
2-Methylphenol	30.1	10	µg/L	50.0		60.1	30-130				
3/4-Methylphenol	31.5	10	µg/L	50.0		63.0	30-130				
2-Nitroaniline	40.4	10	µg/L	50.0		80.8	40-140				
3-Nitroaniline	37.2	10	µg/L	50.0		74.5	40-140				†
4-Nitroaniline	37.5	10	µg/L	50.0		74.9	40-140				

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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 B291375 - SW-846 3510C												
LCS (B291375-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21								
Nitrobenzene	32.4	10	µg/L	50.0		64.9	40-140					
2-Nitrophenol	34.4	10	µg/L	50.0		68.9	30-130					
4-Nitrophenol	21.0	10	µg/L	50.0		41.9	10-130					
N-Nitrosodiphenylamine/Diphenylamine	40.3	10	µg/L	50.0		80.6	40-140					
N-Nitrosodi-n-propylamine	35.5	10	µg/L	50.0		71.0	40-140					
Pentachloronitrobenzene	34.3	10	µg/L	50.0		68.7	40-140					
Pentachlorophenol	25.8	10	µg/L	50.0		51.7	30-130					
Phenol	15.8	10	µg/L	50.0		31.7	20-130					
Pyridine	10.3	5.0	µg/L	50.0		20.6	10-140					†
1,2,4,5-Tetrachlorobenzene	33.2	10	µg/L	50.0		66.5	40-140					
1,2,4-Trichlorobenzene	29.2	5.0	µg/L	50.0		58.5	40-140					
2,4,5-Trichlorophenol	38.5	10	µg/L	50.0		77.0	30-130					
2,4,6-Trichlorophenol	37.4	10	µg/L	50.0		74.8	30-130					
Surrogate: 2-Fluorophenol	*92.5*		µg/L	200		46.3	15-110					
Surrogate: Phenol-d6	*70.3*		µg/L	200		35.2	15-110					
Surrogate: Nitrobenzene-d5	*73.0*		µg/L	100		73.0	30-130					
Surrogate: 2-Fluorobiphenyl	*80.9*		µg/L	100		80.9	30-130					
Surrogate: 2,4,6-Tribromophenol	*158*		µg/L	200		78.8	15-110					
Surrogate: p-Terphenyl-d14	*87.9*		µg/L	100		87.9	30-130					
LCS Dup (B291375-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21								
Aniline	25.4	5.0	µg/L	50.0		50.8	40-140		18.1	50		† ‡
Bis(2-chloroethoxy)methane	29.8	10	µg/L	50.0		59.5	40-140		11.8	20		
Bis(2-chloroethyl)ether	26.2	10	µg/L	50.0		52.4	40-140	*	**24.4**	20	R-05	
Bis(2-chloroisopropyl)ether	29.1	10	µg/L	50.0		58.3	40-140		14.4	20		
Bis(2-Ethylhexyl)phthalate	38.6	10	µg/L	50.0		77.3	40-140		5.51	20		
4-Bromophenylphenylether	31.3	10	µg/L	50.0		62.5	40-140		10.7	20		
Butylbenzylphthalate	37.3	10	µg/L	50.0		74.6	40-140		8.23	20		
Carbazole	35.1	10	µg/L	50.0		70.1	40-140		9.15	20		
4-Chloroaniline	31.4	10	µg/L	50.0		62.8	40-140		8.85	20		†
4-Chloro-3-methylphenol	31.3	10	µg/L	50.0		62.6	30-130		13.9	20		
2-Chloronaphthalene	29.8	10	µg/L	50.0		59.6	40-140		11.8	20		
2-Chlorophenol	25.9	10	µg/L	50.0		51.7	30-130		14.7	20		
4-Chlorophenylphenylether	32.7	10	µg/L	50.0		65.5	40-140		11.1	20		
Dibenzofuran	34.4	5.0	µg/L	50.0		68.7	40-140		12.0	20		
Di-n-butylphthalate	37.1	10	µg/L	50.0		74.1	40-140		5.38	20		
3,3-Dichlorobenzidine	39.1	10	µg/L	50.0		78.2	40-140		9.01	20		† ‡
2,4-Dichlorophenol	29.9	10	µg/L	50.0		59.8	30-130		14.9	20		
Diethylphthalate	34.0	10	µg/L	50.0		68.1	40-140		9.19	20		
2,4-Dimethylphenol	29.3	10	µg/L	50.0		58.5	30-130		11.7	20		
Dimethylphthalate	35.2	10	µg/L	50.0		70.5	40-140		10.6	50		
4,6-Dinitro-2-methylphenol	27.0	10	µg/L	50.0		54.0	30-130		8.10	50		
2,4-Dinitrophenol	24.4	10	µg/L	50.0		48.8	30-130		9.55	50	V-05	
2,4-Dinitrotoluene	36.3	10	µg/L	50.0		72.5	40-140		13.7	20		
2,6-Dinitrotoluene	37.3	10	µg/L	50.0		74.6	40-140		13.9	20		
Di-n-octylphthalate	41.3	10	µg/L	50.0		82.5	40-140		7.85	20	V-06	
Hexachlorobenzene	31.2	10	µg/L	50.0		62.3	40-140		9.48	20		
Hexachlorobutadiene	27.4	10	µg/L	50.0		54.8	40-140		8.83	20		
Hexachlorocyclopentadiene	13.8	10	µg/L	50.0		**27.5**	30-140	*	9.41	50	L-07, V-05	
Hexachloroethane	22.3	10	µg/L	50.0		44.6	40-140		16.8	50		
Isophorone	31.3	10	µg/L	50.0		62.6	40-140		12.6	20		
2-Methylphenol	26.4	10	µg/L	50.0		52.8	30-130		13.0	20		

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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 B291375 - SW-846 3510C										
LCS Dup (B291375-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
3/4-Methylphenol	26.9	10	µg/L	50.0		53.8	30-130	15.7	20	
2-Nitroaniline	35.6	10	µg/L	50.0		71.2	40-140	12.6	20	
3-Nitroaniline	35.4	10	µg/L	50.0		70.9	40-140	4.90	20	†
4-Nitroaniline	34.0	10	µg/L	50.0		68.0	40-140	9.71	20	
Nitrobenzene	27.8	10	µg/L	50.0		55.6	40-140	15.4	20	
2-Nitrophenol	30.6	10	µg/L	50.0		61.2	30-130	11.8	20	
4-Nitrophenol	20.4	10	µg/L	50.0		40.8	10-130	2.80	50	‡
N-Nitrosodiphenylamine/Diphenylamine	36.5	10	µg/L	50.0		72.9	40-140	10.0	20	
N-Nitrosodi-n-propylamine	30.4	10	µg/L	50.0		60.9	40-140	15.4	20	
Pentachloronitrobenzene	31.9	10	µg/L	50.0		63.8	40-140	7.40	20	
Pentachlorophenol	23.9	10	µg/L	50.0		47.7	30-130	7.93	50	
Phenol	13.6	10	µg/L	50.0		27.2	20-130	15.1	20	
Pyridine	9.52	5.0	µg/L	50.0		19.0	10-140	7.97	50	†
1,2,4,5-Tetrachlorobenzene	28.9	10	µg/L	50.0		57.7	40-140	14.0	20	
1,2,4-Trichlorobenzene	26.8	5.0	µg/L	50.0		53.7	40-140	8.59	20	
2,4,5-Trichlorophenol	34.3	10	µg/L	50.0		68.5	30-130	11.7	20	
2,4,6-Trichlorophenol	33.1	10	µg/L	50.0		66.2	30-130	12.3	50	
Surrogate: 2-Fluorophenol	*78.3*		µg/L	200		39.2	15-110			
Surrogate: Phenol-d6	*60.1*		µg/L	200		30.0	15-110			
Surrogate: Nitrobenzene-d5	*62.0*		µg/L	100		62.0	30-130			
Surrogate: 2-Fluorobiphenyl	*70.0*		µg/L	100		70.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*139*		µg/L	200		69.7	15-110			
Surrogate: p-Terphenyl-d14	*77.8*		µg/L	100		77.8	30-130			
Batch B291494 - SW-846 3510C										
Blank (B291494-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*73.9*		µg/L	100		73.9	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*71.2*		µg/L	100		71.2	30-130			
Surrogate: 2-Fluorobiphenyl	*67.9*		µg/L	100		67.9	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*61.8*		µg/L	100		61.8	30-130			
Surrogate: p-Terphenyl-d14	*89.7*		µg/L	100		89.7	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*74.0*		µg/L	100		74.0	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 B291494 - SW-846 3510C										
LCS (B291494-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	32.8	6.0	µg/L	50.0		65.6	40-140			
Acenaphthylene (SIM)	34.3	4.0	µg/L	50.0		68.7	40-140			
Anthracene (SIM)	36.9	4.0	µg/L	50.0		73.8	40-140			
Benzo(a)anthracene (SIM)	35.3	1.0	µg/L	50.0		70.6	40-140			
Benzo(a)pyrene (SIM)	37.2	2.0	µg/L	50.0		74.4	40-140			
Benzo(b)fluoranthene (SIM)	39.6	1.0	µg/L	50.0		79.2	40-140			
Benzo(g,h,i)perylene (SIM)	37.4	10	µg/L	50.0		74.8	40-140			
Benzo(k)fluoranthene (SIM)	37.8	4.0	µg/L	50.0		75.6	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	44.6	20	µg/L	50.0		89.2	40-140			
Chrysene (SIM)	34.6	4.0	µg/L	50.0		69.2	40-140			
Dibenz(a,h)anthracene (SIM)	36.3	2.0	µg/L	50.0		72.7	40-140			
Fluoranthene (SIM)	34.7	10	µg/L	50.0		69.5	40-140			
Fluorene (SIM)	34.9	20	µg/L	50.0		69.8	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	39.1	2.0	µg/L	50.0		78.1	40-140			
2-Methylnaphthalene (SIM)	32.6	20	µg/L	50.0		65.1	40-140			
Naphthalene (SIM)	27.0	20	µg/L	50.0		54.0	40-140			
Phenanthrene (SIM)	34.9	1.0	µg/L	50.0		69.8	40-140			
Pyrene (SIM)	35.3	20	µg/L	50.0		70.6	40-140			
Surrogate: Nitrobenzene-d5	*63.9*		µg/L	100		63.9	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*63.9*		µg/L	100		63.9	30-130			
Surrogate: 2-Fluorobiphenyl	*63.6*		µg/L	100		63.6	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*70.1*		µg/L	100		70.1	30-130			
Surrogate: p-Terphenyl-d14	*65.2*		µg/L	100		65.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*74.3*		µg/L	100		74.3	30-130			
LCS Dup (B291494-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	32.4	6.0	µg/L	50.0		64.8	40-140	1.23	20	
Acenaphthylene (SIM)	33.8	4.0	µg/L	50.0		67.6	40-140	1.53	20	
Anthracene (SIM)	37.0	4.0	µg/L	50.0		74.0	40-140	0.162	20	
Benzo(a)anthracene (SIM)	35.8	1.0	µg/L	50.0		71.6	40-140	1.41	20	
Benzo(a)pyrene (SIM)	37.7	2.0	µg/L	50.0		75.4	40-140	1.44	20	
Benzo(b)fluoranthene (SIM)	40.0	1.0	µg/L	50.0		80.0	40-140	1.06	20	
Benzo(g,h,i)perylene (SIM)	38.1	10	µg/L	50.0		76.2	40-140	1.80	20	
Benzo(k)fluoranthene (SIM)	38.5	4.0	µg/L	50.0		77.0	40-140	1.83	20	
Bis(2-ethylhexyl)phthalate (SIM)	45.2	20	µg/L	50.0		90.5	40-140	1.47	20	
Chrysene (SIM)	35.4	4.0	µg/L	50.0		70.8	40-140	2.34	20	
Dibenz(a,h)anthracene (SIM)	37.1	2.0	µg/L	50.0		74.1	40-140	1.96	20	
Fluoranthene (SIM)	35.2	10	µg/L	50.0		70.3	40-140	1.20	20	
Fluorene (SIM)	34.9	20	µg/L	50.0		69.9	40-140	0.172	20	
Indeno(1,2,3-cd)pyrene (SIM)	39.8	2.0	µg/L	50.0		79.5	40-140	1.78	20	
2-Methylnaphthalene (SIM)	32.2	20	µg/L	50.0		64.3	40-140	1.24	20	
Naphthalene (SIM)	27.2	20	µg/L	50.0		54.4	40-140	0.812	20	
Phenanthrene (SIM)	35.3	1.0	µg/L	50.0		70.6	40-140	1.20	20	
Pyrene (SIM)	36.2	20	µg/L	50.0		72.4	40-140	2.46	20	
Surrogate: Nitrobenzene-d5	*65.0*		µg/L	100		65.0	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*64.7*		µg/L	100		64.7	30-130			
Surrogate: 2-Fluorobiphenyl	*62.8*		µg/L	100		62.8	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*68.5*		µg/L	100		68.5	30-130			
Surrogate: p-Terphenyl-d14	*67.8*		µg/L	100		67.8	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*77.2*		µg/L	100		77.2	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 B291541 - SW-846 3510C										
Blank (B291541-BLK1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							V-20
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*50.5*		µg/L	100		50.5	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*50.1*		µg/L	100		50.1	30-130			
Surrogate: 2-Fluorobiphenyl	*42.1*		µg/L	100		42.1	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*41.8*		µg/L	100		41.8	30-130			
Surrogate: p-Terphenyl-d14	*69.7*		µg/L	100		69.7	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*68.0*		µg/L	100		68.0	30-130			
LCS (B291541-BS1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	33.2	6.0	µg/L	50.0		66.4	40-140			
Acenaphthylene (SIM)	34.8	4.0	µg/L	50.0		69.6	40-140			
Anthracene (SIM)	37.1	4.0	µg/L	50.0		74.2	40-140			
Benzo(a)anthracene (SIM)	35.9	1.0	µg/L	50.0		71.8	40-140			
Benzo(a)pyrene (SIM)	37.4	2.0	µg/L	50.0		74.8	40-140			
Benzo(b)fluoranthene (SIM)	39.3	1.0	µg/L	50.0		78.5	40-140			
Benzo(g,h,i)perylene (SIM)	37.5	10	µg/L	50.0		74.9	40-140			
Benzo(k)fluoranthene (SIM)	37.1	4.0	µg/L	50.0		74.2	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	45.7	20	µg/L	50.0		91.4	40-140			
Chrysene (SIM)	35.1	4.0	µg/L	50.0		70.2	40-140			
Dibenz(a,h)anthracene (SIM)	36.4	2.0	µg/L	50.0		72.9	40-140			
Fluoranthene (SIM)	35.4	10	µg/L	50.0		70.8	40-140			
Fluorene (SIM)	35.1	20	µg/L	50.0		70.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	39.3	2.0	µg/L	50.0		78.6	40-140			
2-Methylnaphthalene (SIM)	34.4	20	µg/L	50.0		68.8	40-140			
Naphthalene (SIM)	29.8	20	µg/L	50.0		59.6	40-140			
Phenanthrene (SIM)	35.0	1.0	µg/L	50.0		70.0	40-140			
Pyrene (SIM)	36.1	20	µg/L	50.0		72.3	40-140			
Surrogate: Nitrobenzene-d5	*70.6*		µg/L	100		70.6	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*70.8*		µg/L	100		70.8	30-130			
Surrogate: 2-Fluorobiphenyl	*66.8*		µg/L	100		66.8	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*73.7*		µg/L	100		73.7	30-130			
Surrogate: p-Terphenyl-d14	*67.2*		µg/L	100		67.2	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*75.8*		µg/L	100		75.8	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 B291541 - SW-846 3510C										
LCS Dup (B291541-BSD1)				Prepared: 09/30/21 Analyzed: 10/01/21						
Acenaphthene (SIM)	30.1	6.0	µg/L	50.0		60.2	40-140	9.92	20	
Acenaphthylene (SIM)	31.3	4.0	µg/L	50.0		62.7	40-140	10.4	20	
Anthracene (SIM)	34.2	4.0	µg/L	50.0		68.4	40-140	8.14	20	
Benzo(a)anthracene (SIM)	33.4	1.0	µg/L	50.0		66.7	40-140	7.39	20	
Benzo(a)pyrene (SIM)	35.0	2.0	µg/L	50.0		70.0	40-140	6.63	20	
Benzo(b)fluoranthene (SIM)	37.1	1.0	µg/L	50.0		74.2	40-140	5.66	20	
Benzo(g,h,i)perylene (SIM)	35.0	10	µg/L	50.0		70.0	40-140	6.85	20	
Benzo(k)fluoranthene (SIM)	35.2	4.0	µg/L	50.0		70.4	40-140	5.20	20	
Bis(2-ethylhexyl)phthalate (SIM)	42.4	20	µg/L	50.0		84.8	40-140	7.54	20	
Chrysene (SIM)	32.7	4.0	µg/L	50.0		65.5	40-140	6.96	20	
Dibenz(a,h)anthracene (SIM)	33.9	2.0	µg/L	50.0		67.8	40-140	7.28	20	
Fluoranthene (SIM)	32.7	10	µg/L	50.0		65.4	40-140	7.93	20	
Fluorene (SIM)	31.7	20	µg/L	50.0		63.4	40-140	10.1	20	
Indeno(1,2,3-cd)pyrene (SIM)	36.5	2.0	µg/L	50.0		73.0	40-140	7.44	20	
2-Methylnaphthalene (SIM)	30.9	20	µg/L	50.0		61.9	40-140	10.6	20	
Naphthalene (SIM)	26.5	20	µg/L	50.0		53.0	40-140	11.7	20	
Phenanthrene (SIM)	32.4	1.0	µg/L	50.0		64.8	40-140	7.78	20	
Pyrene (SIM)	33.8	20	µg/L	50.0		67.7	40-140	6.57	20	
Surrogate: Nitrobenzene-d5	*60.6*		µg/L	100		60.6	30-130			
Surrogate: Nitrobenzene-d5 (SIM)	*61.2*		µg/L	100		61.2	30-130			
Surrogate: 2-Fluorobiphenyl	*60.0*		µg/L	100		60.0	30-130			
Surrogate: 2-Fluorobiphenyl (SIM)	*65.1*		µg/L	100		65.1	30-130			
Surrogate: p-Terphenyl-d14	*61.6*		µg/L	100		61.6	30-130			
Surrogate: p-Terphenyl-d14 (SIM)	*70.5*		µg/L	100		70.5	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 B291184 - SW-846 7470A Prep										
Blank (B291184-BLK1)				Prepared & Analyzed: 09/28/21						
Mercury	ND	0.00010	mg/L							
LCS (B291184-BS1)				Prepared & Analyzed: 09/28/21						
Mercury	0.00417	0.00010	mg/L	0.00400		104	80-120			
LCS Dup (B291184-BSD1)				Prepared & Analyzed: 09/28/21						
Mercury	0.00398	0.00010	mg/L	0.00400		99.6	80-120	4.60	20	
Batch B291477 - SW-846 3005A										
Blank (B291477-BLK1)				Prepared & Analyzed: 10/01/21						
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 (B291477-BS1)				Prepared & Analyzed: 10/01/21						
Antimony	564	10	µg/L	500		113	80-120			
Arsenic	539	8.0	µg/L	500		108	80-120			
Barium	512	100	µg/L	500		102	80-120			
Beryllium	510	4.0	µg/L	500		102	80-120			
Cadmium	521	2.0	µg/L	500		104	80-120			
Chromium	527	10	µg/L	500		105	80-120			
Copper	541	10	µg/L	500		108	80-120			
Lead	521	5.0	µg/L	500		104	80-120			
Nickel	522	50	µg/L	500		104	80-120			
Selenium	538	50	µg/L	500		108	80-120			
Silver	256	2.0	µg/L	250		102	80-120			
Thallium	515	2.0	µg/L	500		103	80-120			
Vanadium	537	50	µg/L	500		107	80-120			
Zinc	529	100	µg/L	500		106	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 B291477 - SW-846 3005A										
LCS Dup (B291477-BSD1)				Prepared & Analyzed: 10/01/21						
Antimony	522	10	µg/L	500		104	80-120	7.77	20	
Arsenic	495	8.0	µg/L	500		98.9	80-120	8.56	20	
Barium	469	100	µg/L	500		93.7	80-120	8.83	20	
Beryllium	485	4.0	µg/L	500		97.0	80-120	5.06	20	
Cadmium	477	2.0	µg/L	500		95.5	80-120	8.82	20	
Chromium	498	10	µg/L	500		99.6	80-120	5.77	20	
Copper	516	10	µg/L	500		103	80-120	4.67	20	
Lead	476	5.0	µg/L	500		95.2	80-120	8.98	20	
Nickel	497	50	µg/L	500		99.4	80-120	5.00	20	
Selenium	482	50	µg/L	500		96.4	80-120	11.0	20	
Silver	236	2.0	µg/L	250		94.4	80-120	8.03	20	
Thallium	473	2.0	µg/L	500		94.5	80-120	8.59	20	
Vanadium	508	50	µg/L	500		102	80-120	5.52	20	
Zinc	481	100	µg/L	500		96.1	80-120	9.66	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high 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 8270E in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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	09/6/2022

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CHAIN OF CUSTODY RECORD
39 Spruce Street
East Longmeadow, MA 01028
Doc # 381 Rev 5_07/13/2021
Page 1 of 1

Company Name: Apex Companies LLC
Address: 58 A Connecticut Ave
Phone: 860-282-1700
Project Name: Eversource Energy-Wethersfield
Project Location: EE-Wethersfield
Project Number: 6089-015-2021
Project Manager: Dan Wilson
Pace Quote Name/Number: 6089-015-2021
Invoice Recipient: Apex Companies LLC
Sampled By: M. Lucky

Requested Turnaround Time: 5 Day ☑ | 10-Day ☐ | PFAS 10-Day (std) ☐ | Due Date:
Rush-Approval Required: 1-Day ☐ | 3-Day ☐ | 2-Day ☐ | 4-Day ☐
Data Delivery: Format: PDF ☑ EXCEL ☐ | Other: | CLP Like Data Pkg Required: ☐ | Email To: dwilson@apexcos.com | Fax To #:
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
PCB ONLY: SOXHLET ☐ | NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	Sieve & GSMS for AAHs	RSR metals
1	AP-3R Filtered	9/23/21	9:30	Grab	GW	U		2	1			X	X
2	AP-15R-BR Filtered	9/24/21	8:30	Grab	GW	U		2	1			X	X

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

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

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

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

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

Client Comments:
* Bis(2-Ethylhexyl) phthalate needs to be below 2 ug/L *

Detection Limit Requirements:
MA
CT CT RSR GA, SWPC, RVC + I/C VC
Other

Special Requirements:
MA MCP Required ☐
MCP Certification Form Required
CT RCP Required ☑
RCP Certification Form Required
MA State DW Required ☐
PWSID #

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

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Comments:

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

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

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

Received By MV Date 9/24/21 Time 1515

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

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.7
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? F
Are there Short Holds? F
Is there enough Volume? T
Is there Headspace where applicable? n/a
Proper Media/Containers Used? T
Were trip blanks received? F
Do all samples have the proper pH? Acid T Base n/a

Who was notified? ____
Who was notified? ____
Who was notified? ____

MS/MSD? F
Is splitting samples required? F
On COC? F

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	4	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic	2	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: EE-Wethersfield

Project Number: 21I1390

Laboratory Sample ID(s):

21I1390-01 thru 21I1390-02

Sample Date(s):

09/23/2021,
09/24/2021

List RCP Methods Used:

, , SW-846 6020B, SW-846 7470A, SW-846 8270E

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

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

Lisa A. Worthington

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

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

Printed Name: **Lisa A. Worthington** **Date:** **10/04/21**

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

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

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January 7, 2022

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

Project Location: Wethersfield, CT
Client Job Number:
Project Number: 6089-015
Laboratory Work Order Number: 21L1961

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

Sincerely,



Matthew J Beaupre
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: 1/7/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21L1961

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

PROJECT LOCATION: Wethersfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AP-12R	21L1961-01	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
AP-6R	21L1961-02	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
AP-11R	21L1961-03	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
AP-3R	21L1961-04	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
DUP	21L1961-05	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
AP-15R-BR	21L1961-06	Ground Water		MADEP EPH rev 2.1	
				SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
TB	21L1961-07	Ground Water		SW-846 8260D	

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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 a select list of PAHs was analyzed and reported in order to achieve lower detection limits than possible with EPH analysis

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SW-846 6020B

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Barium
21L1961-06[AP-15R-BR], B298203-MS1, B298203-MSD1

SW-846 8260D

Qualifications:

L-03

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

Analyte & Samples(s) Qualified:

Naphthalene
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-04[AP-3R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], 21L1961-07[TB], B298058-BLK1, B298058-BS1, B298058-MS1, B298058-MSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
21L1961-06[AP-15R-BR], B298058-MS1, B298058-MSD1

1,2,4-Trichlorobenzene
21L1961-06[AP-15R-BR], B298058-MS1, B298058-MSD1

Naphthalene
21L1961-06[AP-15R-BR], B298058-MS1, B298058-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromomethane
B298058-MSD1

Chloroethane
B298058-MSD1

Chloromethane
B298058-MS1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-04[AP-3R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], 21L1961-07[TB], B298058-BLK1, B298058-BS1, B298058-MS1, B298058-MSD1, S067022-CCV1

1,2,4-Trichlorobenzene
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-04[AP-3R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], 21L1961-07[TB], B298058-BLK1, B298058-BS1, B298058-MS1, B298058-MSD1, S067022-CCV1

Naphthalene
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-04[AP-3R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], 21L1961-07[TB], B298058-BLK1, B298058-BS1, B298058-MS1, B298058-MSD1, S067022-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B298058-BS1, B298058-MS1, B298058-MSD1, S067022-CCV1

Chloroethane
B298058-BS1, B298058-MS1, B298058-MSD1, S067022-CCV1

Chloromethane
B298058-BS1, B298058-MS1, B298058-MSD1, S067022-CCV1

SW-846 8270E

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Qualifications:

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Pyridine
21L1961-06[AP-15R-BR], B298259-MS1, B298259-MSD1

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:

2,4-Dinitrophenol
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], B298259-BLK1, B298259-BS1, B298259-BSD1, B298259-MS1, B298259-MSD1, S067098-CCV1, S067135-CCV1
Hexachlorocyclopentadiene
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-04[AP-3R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], B298259-BLK1, B298259-BS1, B298259-BSD1, B298259-MS1, B298259-MSD1, B298331-BLK1, B298331-BS1, B298331-BSD1, S067098-CCV1, S067135-CCV1, S067144-CCV1
Pentachlorophenol
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-04[AP-3R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], B298259-BLK1, B298259-BS1, B298259-BSD1, B298259-MS1, B298259-MSD1, B298331-BLK1, B298331-BS1, B298331-BSD1, S067098-CCV1, S067135-CCV1, S067144-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

3-Nitroaniline
B298331-BS1, B298331-BSD1, S067144-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:

3-Nitroaniline
21L1961-04[AP-3R], B298331-BLK1

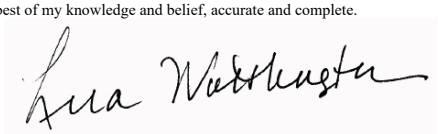
V-34

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:

4-Chloroaniline
21L1961-01[AP-12R], 21L1961-02[AP-6R], 21L1961-03[AP-11R], 21L1961-04[AP-3R], 21L1961-05[DUP], 21L1961-06[AP-15R-BR], B298259-BLK1, B298259-BS1, B298259-BSD1, B298259-MS1, B298259-MSD1, B298331-BLK1, B298331-BS1, B298331-BSD1, S067098-CCV1, S067135-CCV1, S067144-CCV1

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



Lisa A. Worthington
Technical Representative

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-12R | Sampled: 12/28/2021 08:30

Sample ID: 21L1961-01

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 8260D	12/30/21	12/30/21 13:48	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-12R | Sampled: 12/28/2021 08:30

Sample ID: 21L1961-01

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 8260D	12/30/21	12/30/21 13:48	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260D	12/30/21	12/30/21 13:48	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 13:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		12/30/21 13:48
Toluene-d8	105	70-130		12/30/21 13:48
4-Bromofluorobenzene	98.4	70-130		12/30/21 13:48

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1961
Date Received: 12/29/2021
Field Sample #: AP-12R
Sampled: 12/28/2021 08:30
Sample ID: 21L1961-01
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	0.30	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Aniline	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	1/4/22	1/5/22 11:37	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Chrysene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1961
Date Received: 12/29/2021
Field Sample #: AP-12R
Sampled: 12/28/2021 08:30
Sample ID: 21L1961-01
Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Pentachlorophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Phenanthrene (SIM)	0.056	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:29	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:14	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 11:37	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.1	15-110		1/5/22 11:37
Phenol-d6	31.6	15-110		1/5/22 11:37
Nitrobenzene-d5	63.7	30-130		1/5/22 11:37
Nitrobenzene-d5	58.1	30-130		1/5/22 12:14
2-Fluorobiphenyl	69.7	30-130		1/5/22 11:37
2-Fluorobiphenyl	57.0	30-130		1/5/22 12:14
2,4,6-Tribromophenol	79.3	15-110		1/5/22 11:37
p-Terphenyl-d14	89.7	30-130		1/5/22 12:14
p-Terphenyl-d14	91.4	30-130		1/5/22 11:37
o-Terphenyl (OTP)	99.7	30-130		1/5/22 16:29

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-12R | Sampled: 12/28/2021 08:30

Sample ID: 21L1961-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
C19-C36 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
Unadjusted C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:35	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	73.0	40-140		1/5/22 16:35
o-Terphenyl (OTP)	77.0	40-140		1/5/22 16:35
2-Bromonaphthalene	95.0	40-140		1/5/22 16:35
2-Fluorobiphenyl	99.2	40-140		1/5/22 16:35

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-12R
Sampled: 12/28/2021 08:30

Sample ID: 21L1961-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Arsenic	0.82	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Barium	110	10		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Cadmium	0.036	0.20	0.027	µg/L	1	J	SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Copper	2.5	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Lead	0.53	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:36	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH
Zinc	26	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:01	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-6R | Sampled: 12/28/2021 11:40

Sample ID: 21L1961-02

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 8260D	12/30/21	12/30/21 14:12	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-6R | Sampled: 12/28/2021 11:40

Sample ID: 21L1961-02

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 8260D	12/30/21	12/30/21 14:12	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260D	12/30/21	12/30/21 14:12	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		12/30/21 14:12
Toluene-d8	105	70-130		12/30/21 14:12
4-Bromofluorobenzene	99.9	70-130		12/30/21 14:12

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-6R | Sampled: 12/28/2021 11:40

Sample ID: 21L1961-02

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 8270E	1/4/22	1/5/22 12:42	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Aniline	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	1/4/22	1/5/22 12:01	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Chrysene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-6R | Sampled: 12/28/2021 11:40

Sample ID: 21L1961-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Pentachlorophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:52	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:42	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.7	15-110		1/5/22 12:01
Phenol-d6	34.5	15-110		1/5/22 12:01
Nitrobenzene-d5	64.8	30-130		1/5/22 12:42
Nitrobenzene-d5	73.4	30-130		1/5/22 12:01
2-Fluorobiphenyl	76.2	30-130		1/5/22 12:01
2-Fluorobiphenyl	58.8	30-130		1/5/22 12:42
2,4,6-Tribromophenol	80.7	15-110		1/5/22 12:01
p-Terphenyl-d14	87.3	30-130		1/5/22 12:42
p-Terphenyl-d14	91.9	30-130		1/5/22 12:01
o-Terphenyl (OTP)	84.3	30-130		1/5/22 16:52

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-6R | Sampled: 12/28/2021 11:40

Sample ID: 21L1961-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
C19-C36 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
Unadjusted C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 16:54	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	74.3	40-140		1/5/22 16:54
o-Terphenyl (OTP)	81.9	40-140		1/5/22 16:54
2-Bromonaphthalene	104	40-140		1/5/22 16:54
2-Fluorobiphenyl	108	40-140		1/5/22 16:54

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-6R | Sampled: 12/28/2021 11:40

Sample ID: 21L1961-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Arsenic	2.1	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Barium	170	10		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Copper	2.4	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:38	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH
Zinc	ND	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:03	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-11R | Sampled: 12/28/2021 13:40

Sample ID: 21L1961-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-11R | Sampled: 12/28/2021 13:40

Sample ID: 21L1961-03

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)	0.50	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260D	12/30/21	12/30/21 14:37	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 14:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		12/30/21 14:37
Toluene-d8	104	70-130		12/30/21 14:37
4-Bromofluorobenzene	97.3	70-130		12/30/21 14:37

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-11R | Sampled: 12/28/2021 13:40

Sample ID: 21L1961-03

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	0.30	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Aniline	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Benzo(a)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	1/4/22	1/5/22 12:26	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Chrysene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-11R | Sampled: 12/28/2021 13:40

Sample ID: 21L1961-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.098	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Pentachlorophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 17:15	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:10	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	34.7	15-110		1/5/22 12:26
Phenol-d6	26.9	15-110		1/5/22 12:26
Nitrobenzene-d5	57.2	30-130		1/5/22 12:26
Nitrobenzene-d5	54.1	30-130		1/5/22 13:10
2-Fluorobiphenyl	65.7	30-130		1/5/22 12:26
2-Fluorobiphenyl	54.4	30-130		1/5/22 13:10
2,4,6-Tribromophenol	72.1	15-110		1/5/22 12:26
p-Terphenyl-d14	84.6	30-130		1/5/22 12:26
p-Terphenyl-d14	84.6	30-130		1/5/22 13:10
o-Terphenyl (OTP)	99.3	30-130		1/5/22 17:15

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-11R | Sampled: 12/28/2021 13:40

Sample ID: 21L1961-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
C19-C36 Aliphatics	ND	98	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
Unadjusted C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
C11-C22 Aromatics	ND	98	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/5/22 17:14	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	73.3	40-140		1/5/22 17:14
o-Terphenyl (OTP)	76.6	40-140		1/5/22 17:14
2-Bromonaphthalene	94.6	40-140		1/5/22 17:14
2-Fluorobiphenyl	99.2	40-140		1/5/22 17:14

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-11R | Sampled: 12/28/2021 13:40

Sample ID: 21L1961-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Arsenic	1.4	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Barium	130	10		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Copper	1.6	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:40	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH
Zinc	ND	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:06	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-3R | Sampled: 12/29/2021 10:00

Sample ID: 21L1961-04

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 8260D	12/30/21	12/30/21 15:01	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-3R | Sampled: 12/29/2021 10:00

Sample ID: 21L1961-04

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 8260D	12/30/21	12/30/21 15:01	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260D	12/30/21	12/30/21 15:01	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		12/30/21 15:01
Toluene-d8	105	70-130		12/30/21 15:01
4-Bromofluorobenzene	101	70-130		12/30/21 15:01

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-3R | Sampled: 12/29/2021 10:00

Sample ID: 21L1961-04

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 8270E	1/5/22	1/6/22 13:55	IMR
Acenaphthene (SIM)	ND	0.29	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Acenaphthylene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Aniline	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Anthracene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Anthracene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Benzo(a)anthracene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Benzo(a)anthracene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Benzo(a)pyrene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Benzo(a)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Benzo(b)fluoranthene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Benzo(b)fluoranthene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Benzo(g,h,i)perylene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Benzo(k)fluoranthene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Bis(2-chloroethoxy)methane	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Bis(2-chloroethyl)ether	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Bis(2-chloroisopropyl)ether	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Bis(2-ethylhexyl)phthalate (SIM)	ND	0.97	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
4-Bromophenylphenylether	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Butylbenzylphthalate	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Carbazole	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
4-Chloroaniline	ND	9.8	µg/L	1	V-34	SW-846 8270E	1/5/22	1/6/22 13:55	IMR
4-Chloro-3-methylphenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2-Chloronaphthalene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2-Chlorophenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
4-Chlorophenylphenylether	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Chrysene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Chrysene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Chrysene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Dibenz(a,h)anthracene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Dibenzofuran	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Di-n-butylphthalate	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-3R | Sampled: 12/29/2021 10:00

Sample ID: 21L1961-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
3,3-Dichlorobenzidine	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2,4-Dichlorophenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Diethylphthalate	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2,4-Dimethylphenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Dimethylphthalate	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2,4-Dinitrophenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2,4-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2,6-Dinitrotoluene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Di-n-octylphthalate	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Fluoranthene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Fluoranthene (SIM)	ND	0.49	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Fluorene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Fluorene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Hexachlorobenzene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Hexachlorobutadiene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Hexachlorocyclopentadiene	ND	9.8	µg/L	1	V-05	SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Hexachloroethane	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.097	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Isophorone	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2-Methylnaphthalene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2-Methylnaphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
2-Methylphenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
3/4-Methylphenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Naphthalene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Naphthalene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
2-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
3-Nitroaniline	ND	9.8	µg/L	1	V-20	SW-846 8270E	1/5/22	1/6/22 13:55	IMR
4-Nitroaniline	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Nitrobenzene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
4-Nitrophenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
N-Nitrosodi-n-propylamine	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Pentachloronitrobenzene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Pentachlorophenol	ND	9.8	µg/L	1	V-05	SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Phenanthrene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/6/22 10:56	IMR
Phenanthrene (SIM)	ND	0.049	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR
Phenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Pyrene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
Pyrene (SIM)	ND	0.97	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:03	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-3R | Sampled: 12/29/2021 10:00

Sample ID: 21L1961-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pyridine	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
1,2,4-Trichlorobenzene	ND	4.9	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2,4,5-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR
2,4,6-Trichlorophenol	ND	9.8	µg/L	1		SW-846 8270E	1/5/22	1/6/22 13:55	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	49.9	15-110		1/6/22 13:55
Phenol-d6	37.6	15-110		1/6/22 13:55
Nitrobenzene-d5	40.0	30-130		1/5/22 15:03
Nitrobenzene-d5	78.9	30-130		1/6/22 13:55
2-Fluorobiphenyl	42.7	30-130		1/5/22 15:03
2-Fluorobiphenyl	78.6	30-130		1/6/22 13:55
2,4,6-Tribromophenol	84.7	15-110		1/6/22 13:55
p-Terphenyl-d14	38.9	30-130		1/5/22 15:03
p-Terphenyl-d14	86.2	30-130		1/6/22 13:55
o-Terphenyl (OTP)	82.2	30-130		1/6/22 10:56

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-3R | Sampled: 12/29/2021 10:00

Sample ID: 21L1961-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
C19-C36 Aliphatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
Unadjusted C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
C11-C22 Aromatics	ND	97	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:38	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	47.2	40-140		1/6/22 13:38
o-Terphenyl (OTP)	57.5	40-140		1/6/22 13:38
2-Bromonaphthalene	101	40-140		1/6/22 13:38
2-Fluorobiphenyl	105	40-140		1/6/22 13:38

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-3R | Sampled: 12/29/2021 10:00

Sample ID: 21L1961-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Arsenic	1.3	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Barium	140	10		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Cadmium	0.081	0.20	0.027	µg/L	1	J	SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Chromium	1.1	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Copper	2.8	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Lead	0.51	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:42	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH
Zinc	28	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:09	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: DUP | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-05

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 8260D	12/30/21	12/30/21 15:25	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: DUP | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-05

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 8260D	12/30/21	12/30/21 15:25	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260D	12/30/21	12/30/21 15:25	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		12/30/21 15:25
Toluene-d8	106	70-130		12/30/21 15:25
4-Bromofluorobenzene	98.8	70-130		12/30/21 15:25

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: DUP | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-05

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	0.31	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Aniline	ND	5.1	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Benzo(a)anthracene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Benzo(b)fluoranthene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	1/4/22	1/5/22 14:51	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Chrysene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Dibenzofuran	ND	5.1	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: DUP | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluoranthene (SIM)	ND	0.51	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Pentachlorophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:19	IMR
Phenanthrene (SIM)	ND	0.051	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:32	IMR
Pyridine	ND	5.1	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
1,2,4-Trichlorobenzene	ND	5.1	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 14:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.8	15-110		1/5/22 14:51
Phenol-d6	48.0	15-110		1/5/22 14:51
Nitrobenzene-d5	92.9	30-130		1/5/22 14:51
Nitrobenzene-d5	69.4	30-130		1/5/22 15:32
2-Fluorobiphenyl	96.3	30-130		1/5/22 14:51
2-Fluorobiphenyl	62.4	30-130		1/5/22 15:32
2,4,6-Tribromophenol	102	15-110		1/5/22 14:51
p-Terphenyl-d14	111	30-130		1/5/22 14:51
p-Terphenyl-d14	89.6	30-130		1/5/22 15:32
o-Terphenyl (OTP)	65.8	30-130		1/6/22 11:19

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: DUP | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
Anthracene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
Fluorene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM
Pyrene	ND	2.0	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:19	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	41.8	40-140		1/6/22 13:19
o-Terphenyl (OTP)	48.7	40-140		1/6/22 13:19
2-Bromonaphthalene	108	40-140		1/6/22 13:19
2-Fluorobiphenyl	111	40-140		1/6/22 13:19

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: DUP | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Arsenic	1.1	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Barium	140	10		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Cadmium	0.070	0.20	0.027	µg/L	1	J	SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Chromium	1.3	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Copper	3.1	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:43	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH
Zinc	16	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:12	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-15R-BR | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-06

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 8260D	12/30/21	12/30/21 15:49	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-15R-BR | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-06

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 8260D	12/30/21	12/30/21 15:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, MS-09, V-05	SW-846 8260D	12/30/21	12/30/21 15:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	MS-09, V-05	SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	MS-09, V-05	SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 15:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		12/30/21 15:49
Toluene-d8	106	70-130		12/30/21 15:49
4-Bromofluorobenzene	96.0	70-130		12/30/21 15:49

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1961
Date Received: 12/29/2021
Field Sample #: AP-15R-BR
Sampled: 12/29/2021 00:00
Sample ID: 21L1961-06
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 (SIM)	ND	0.30	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Acenaphthylene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Aniline	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Benzo(a)anthracene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Benzo(a)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Benzo(b)fluoranthene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Benzo(k)fluoranthene (SIM)	ND	0.19	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	1/4/22	1/5/22 12:50	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Chrysene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-15R-BR | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.096	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Pentachlorophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Phenanthrene (SIM)	ND	0.048	µg/L	1		SW-846 8270E	1/4/22	1/6/22 11:41	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 13:38	IMR
Pyridine	ND	5.0	µg/L	1	MS-09	SW-846 8270E	1/4/22	1/5/22 12:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 12:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.9	15-110		1/5/22 12:50
Phenol-d6	31.8	15-110		1/5/22 12:50
Nitrobenzene-d5	64.2	30-130		1/5/22 13:38
Nitrobenzene-d5	68.4	30-130		1/5/22 12:50
2-Fluorobiphenyl	68.9	30-130		1/5/22 12:50
2-Fluorobiphenyl	58.3	30-130		1/5/22 13:38
2,4,6-Tribromophenol	76.6	15-110		1/5/22 12:50
p-Terphenyl-d14	87.9	30-130		1/5/22 13:38
p-Terphenyl-d14	88.9	30-130		1/5/22 12:50
o-Terphenyl (OTP)	70.3	30-130		1/6/22 11:41

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-15R-BR | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	96	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
C19-C36 Aliphatics	ND	96	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
Unadjusted C11-C22 Aromatics	ND	96	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
C11-C22 Aromatics	ND	96	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
Acenaphthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
Anthracene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
Fluoranthene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
Fluorene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
Naphthalene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM
Pyrene	ND	1.9	µg/L	1		MADEP EPH rev 2.1	1/4/22	1/6/22 13:00	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Chlorooctadecane (COD)	51.5	40-140		1/6/22 13:00
o-Terphenyl (OTP)	53.0	40-140		1/6/22 13:00
2-Bromonaphthalene	100	40-140		1/6/22 13:00
2-Fluorobiphenyl	103	40-140		1/6/22 13:00

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

Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: AP-15R-BR
Sampled: 12/29/2021 00:00

Sample ID: 21L1961-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Arsenic	3.7	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Barium	420	10		µg/L	1	MS-07A	SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Cadmium	ND	0.20	0.027	µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Chromium	1.1	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Copper	3.5	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:33	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH
Zinc	28	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 16:58	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: TB | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-07

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 8260D	12/30/21	12/30/21 12:36	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Chloromethane	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1961

Date Received: 12/29/2021

Field Sample #: TB | Sampled: 12/29/2021 00:00

Sample ID: 21L1961-07

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 8260D	12/30/21	12/30/21 12:36	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260D	12/30/21	12/30/21 12:36	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	V-05	SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	12/30/21	12/30/21 12:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.8	70-130		12/30/21 12:36
Toluene-d8	104	70-130		12/30/21 12:36
4-Bromofluorobenzene	95.4	70-130		12/30/21 12:36

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: MADEP EPH rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-01 [AP-12R]	B298261	975	1.90	01/04/22
21L1961-02 [AP-6R]	B298261	925	1.80	01/04/22
21L1961-03 [AP-11R]	B298261	1020	2.00	01/04/22
21L1961-04 [AP-3R]	B298261	1030	2.00	01/04/22
21L1961-05 [DUP]	B298261	1000	2.00	01/04/22
21L1961-06 [AP-15R-BR]	B298261	990	1.90	01/04/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-01 [AP-12R]	B298203	50.0	50.0	01/03/22
21L1961-02 [AP-6R]	B298203	50.0	50.0	01/03/22
21L1961-03 [AP-11R]	B298203	50.0	50.0	01/03/22
21L1961-04 [AP-3R]	B298203	50.0	50.0	01/03/22
21L1961-05 [DUP]	B298203	50.0	50.0	01/03/22
21L1961-06 [AP-15R-BR]	B298203	50.0	50.0	01/03/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-01 [AP-12R]	B298136	10.0	10.0	12/31/21
21L1961-02 [AP-6R]	B298136	10.0	10.0	12/31/21
21L1961-03 [AP-11R]	B298136	10.0	10.0	12/31/21
21L1961-04 [AP-3R]	B298136	10.0	10.0	12/31/21
21L1961-05 [DUP]	B298136	10.0	10.0	12/31/21
21L1961-06 [AP-15R-BR]	B298136	10.0	10.0	12/31/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-01 [AP-12R]	B298058	5	5.00	12/30/21
21L1961-02 [AP-6R]	B298058	5	5.00	12/30/21
21L1961-03 [AP-11R]	B298058	5	5.00	12/30/21
21L1961-04 [AP-3R]	B298058	5	5.00	12/30/21
21L1961-05 [DUP]	B298058	5	5.00	12/30/21
21L1961-06 [AP-15R-BR]	B298058	5	5.00	12/30/21
21L1961-07 [TB]	B298058	5	5.00	12/30/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-01 [AP-12R]	B298259	1000	1.00	01/04/22
21L1961-02 [AP-6R]	B298259	1000	1.00	01/04/22
21L1961-03 [AP-11R]	B298259	1000	1.00	01/04/22
21L1961-05 [DUP]	B298259	980	1.00	01/04/22
21L1961-06 [AP-15R-BR]	B298259	1000	1.00	01/04/22

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-01 [AP-12R]	B298270	975	0.950	01/04/22
21L1961-02 [AP-6R]	B298270	925	0.900	01/04/22
21L1961-03 [AP-11R]	B298270	1020	1.00	01/04/22
21L1961-04 [AP-3R]	B298270	1030	1.00	01/04/22
21L1961-05 [DUP]	B298270	1000	1.00	01/04/22
21L1961-06 [AP-15R-BR]	B298270	990	0.950	01/04/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-01 [AP-12R]	B298328	1000	1.00	01/04/22
21L1961-02 [AP-6R]	B298328	1000	1.00	01/04/22
21L1961-03 [AP-11R]	B298328	1000	1.00	01/04/22
21L1961-04 [AP-3R]	B298328	1030	1.00	01/04/22
21L1961-05 [DUP]	B298328	980	1.00	01/04/22
21L1961-06 [AP-15R-BR]	B298328	1000	1.00	01/04/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1961-04 [AP-3R]	B298331	1020	1.00	01/05/22

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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 B298058 - SW-846 5030B										
Blank (B298058-BLK1)				Prepared & Analyzed: 12/30/21						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B298058 - SW-846 5030B										
Blank (B298058-BLK1)				Prepared & Analyzed: 12/30/21						
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	0.50	µg/L							V-05
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/L	25.0		96.1	70-130			
Surrogate: Toluene-d8	*26.3*		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130			
LCS (B298058-BS1)				Prepared & Analyzed: 12/30/21						
Acetone	92.2	10	µg/L	100		92.2	40-160			
Acrylonitrile	9.48	2.0	µg/L	10.0		94.8	70-130			
Benzene	10.6	0.50	µg/L	10.0		106	70-130			
Bromobenzene	9.62	0.50	µg/L	10.0		96.2	70-130			
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130			
Bromoform	9.40	0.50	µg/L	10.0		94.0	70-130			
Bromomethane	12.1	2.0	µg/L	10.0		121	40-160			V-20
2-Butanone (MEK)	88.8	5.0	µg/L	100		88.8	40-160			
n-Butylbenzene	7.81	1.0	µg/L	10.0		78.1	70-130			
sec-Butylbenzene	8.87	1.0	µg/L	10.0		88.7	70-130			
tert-Butylbenzene	9.23	1.0	µg/L	10.0		92.3	70-130			
Carbon Disulfide	93.9	5.0	µg/L	100		93.9	70-130			
Carbon Tetrachloride	8.91	0.50	µg/L	10.0		89.1	70-130			
Chlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	40-160			
Chloroethane	11.7	0.50	µg/L	10.0		117	70-130			V-20
Chloroform	10.5	0.50	µg/L	10.0		105	70-130			
Chloromethane	11.8	0.60	µg/L	10.0		118	40-160			V-20
2-Chlorotoluene	9.56	0.50	µg/L	10.0		95.6	70-130			
4-Chlorotoluene	9.58	0.50	µg/L	10.0		95.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.27	1.0	µg/L	10.0		82.7	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	10.2	0.50	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	10.3	0.50	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	9.95	0.50	µg/L	10.0		99.5	70-130			
1,4-Dichlorobenzene	9.76	0.50	µg/L	10.0		97.6	70-130			
trans-1,4-Dichloro-2-butene	9.36	2.0	µg/L	10.0		93.6	70-130			
Dichlorodifluoromethane (Freon 12)	7.87	0.50	µg/L	10.0		78.7	40-160			
1,1-Dichloroethane	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dichloroethane	10.2	0.50	µg/L	10.0		102	70-130			
1,1-Dichloroethylene	9.26	0.50	µg/L	10.0		92.6	70-130			

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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 B298058 - SW-846 5030B											
LCS (B298058-BS1)				Prepared & Analyzed: 12/30/21							
cis-1,2-Dichloroethylene	10.6	0.50	µg/L	10.0		106		70-130			
trans-1,2-Dichloroethylene	9.81	1.0	µg/L	10.0		98.1		70-130			
1,2-Dichloropropane	10.7	0.50	µg/L	10.0		107		70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130			
2,2-Dichloropropane	9.79	0.50	µg/L	10.0		97.9		70-130			
1,1-Dichloropropene	9.07	0.50	µg/L	10.0		90.7		70-130			
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110		70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130			
Ethylbenzene	9.51	0.50	µg/L	10.0		95.1		70-130			
Hexachlorobutadiene	8.34	0.60	µg/L	10.0		83.4		40-160			
2-Hexanone (MBK)	85.7	5.0	µg/L	100		85.7		70-130			
Isopropylbenzene (Cumene)	9.56	0.50	µg/L	10.0		95.6		70-130			
p-Isopropyltoluene (p-Cymene)	8.81	0.50	µg/L	10.0		88.1		70-130			
Methyl tert-Butyl Ether (MTBE)	11.6	0.50	µg/L	10.0		116		70-130			
Methylene Chloride	10.8	5.0	µg/L	10.0		108		70-130			
4-Methyl-2-pentanone (MIBK)	91.2	5.0	µg/L	100		91.2		40-160			
Naphthalene	5.92	2.0	µg/L	10.0		**59.2**	*	70-130			L-03, V-05
n-Propylbenzene	8.85	1.0	µg/L	10.0		88.5		70-130			
Styrene	10.6	1.0	µg/L	10.0		106		70-130			
1,1,1,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104		70-130			
1,1,2,2-Tetrachloroethane	9.77	0.50	µg/L	10.0		97.7		70-130			
Tetrachloroethylene	9.45	1.0	µg/L	10.0		94.5		70-130			
Tetrahydrofuran	9.69	10	µg/L	10.0		96.9		70-130			
Toluene	10.5	1.0	µg/L	10.0		105		70-130			
1,2,3-Trichlorobenzene	7.33	1.0	µg/L	10.0		73.3		70-130			V-05
1,2,4-Trichlorobenzene	7.15	0.50	µg/L	10.0		71.5		70-130			V-05
1,1,1-Trichloroethane	9.25	0.50	µg/L	10.0		92.5		70-130			
1,1,2-Trichloroethane	10.9	0.50	µg/L	10.0		109		70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101		70-130			
Trichlorofluoromethane (Freon 11)	8.22	2.0	µg/L	10.0		82.2		40-160			
1,2,3-Trichloropropane	8.52	0.50	µg/L	10.0		85.2		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.53	0.50	µg/L	10.0		85.3		70-130			
1,2,4-Trimethylbenzene	9.59	0.50	µg/L	10.0		95.9		70-130			
1,3,5-Trimethylbenzene	9.41	0.50	µg/L	10.0		94.1		70-130			
Vinyl Chloride	10.0	1.0	µg/L	10.0		100		70-130			
m+p Xylene	19.5	2.0	µg/L	20.0		97.4		70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/L	25.0		97.8		70-130			
Surrogate: Toluene-d8	*26.7*		µg/L	25.0		107		70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6		70-130			
Matrix Spike (B298058-MS1)	**Source: 21L1961-06**			Prepared & Analyzed: 12/30/21							
Acetone	88.1	10	µg/L	100	ND	88.1		70-130			
Acrylonitrile	9.09	2.0	µg/L	10.0	ND	90.9		70-130			
Benzene	11.0	0.50	µg/L	10.0	ND	110		70-130			
Bromobenzene	9.48	0.50	µg/L	10.0	ND	94.8		70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0	ND	105		70-130			
Bromoform	8.85	0.50	µg/L	10.0	ND	88.5		70-130			
Bromomethane	12.6	2.0	µg/L	10.0	ND	126		70-130			V-20
2-Butanone (MEK)	84.7	5.0	µg/L	100	ND	84.7		70-130			
n-Butylbenzene	7.59	1.0	µg/L	10.0	ND	75.9		70-130			
sec-Butylbenzene	8.80	1.0	µg/L	10.0	ND	88.0		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 B298058 - SW-846 5030B											
Matrix Spike (B298058-MS1)	**Source: 21L1961-06**			Prepared & Analyzed: 12/30/21							
tert-Butylbenzene	9.41	1.0	µg/L	10.0	ND	94.1		70-130			
Carbon Disulfide	101	5.0	µg/L	100	ND	101		70-130			
Carbon Tetrachloride	9.75	0.50	µg/L	10.0	ND	97.5		70-130			
Chlorobenzene	10.4	0.50	µg/L	10.0	ND	104		70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0	ND	104		70-130			
Chloroethane	12.9	0.50	µg/L	10.0	ND	129		70-130			V-20
Chloroform	11.0	0.50	µg/L	10.0	ND	110		70-130			
Chloromethane	13.5	0.60	µg/L	10.0	ND	**135**	*	70-130			MS-22, V-20
2-Chlorotoluene	9.47	0.50	µg/L	10.0	ND	94.7		70-130			
4-Chlorotoluene	9.14	0.50	µg/L	10.0	ND	91.4		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.30	1.0	µg/L	10.0	ND	73.0		70-130			
1,2-Dibromoethane (EDB)	9.70	0.50	µg/L	10.0	ND	97.0		70-130			
Dibromomethane	9.89	0.50	µg/L	10.0	ND	98.9		70-130			
1,2-Dichlorobenzene	9.73	0.50	µg/L	10.0	ND	97.3		70-130			
1,3-Dichlorobenzene	9.60	0.50	µg/L	10.0	ND	96.0		70-130			
1,4-Dichlorobenzene	9.13	0.50	µg/L	10.0	ND	91.3		70-130			
trans-1,4-Dichloro-2-butene	8.12	2.0	µg/L	10.0	ND	81.2		70-130			
Dichlorodifluoromethane (Freon 12)	9.12	0.50	µg/L	10.0	ND	91.2		70-130			
1,1-Dichloroethane	10.8	0.50	µg/L	10.0	ND	108		70-130			
1,2-Dichloroethane	9.58	0.50	µg/L	10.0	ND	95.8		70-130			
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0	ND	110		70-130			
cis-1,2-Dichloroethylene	10.7	0.50	µg/L	10.0	ND	107		70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,2-Dichloropropane	10.5	0.50	µg/L	10.0	ND	105		70-130			
1,3-Dichloropropane	9.95	0.50	µg/L	10.0	ND	99.5		70-130			
2,2-Dichloropropane	9.34	0.50	µg/L	10.0	ND	93.4		70-130			
1,1-Dichloropropene	9.94	0.50	µg/L	10.0	ND	99.4		70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0	ND	101		70-130			
trans-1,3-Dichloropropene	9.53	0.50	µg/L	10.0	ND	95.3		70-130			
Ethylbenzene	9.57	0.50	µg/L	10.0	ND	95.7		70-130			
Hexachlorobutadiene	7.23	0.60	µg/L	10.0	ND	72.3		70-130			
2-Hexanone (MBK)	79.5	5.0	µg/L	100	ND	79.5		70-130			
Isopropylbenzene (Cumene)	9.80	0.50	µg/L	10.0	ND	98.0		70-130			
p-Isopropyltoluene (p-Cymene)	8.60	0.50	µg/L	10.0	ND	86.0		70-130			
Methyl tert-Butyl Ether (MTBE)	11.4	0.50	µg/L	10.0	ND	114		70-130			
Methylene Chloride	11.3	5.0	µg/L	10.0	ND	113		70-130			
4-Methyl-2-pentanone (MIBK)	86.7	5.0	µg/L	100	ND	86.7		70-130			
Naphthalene	4.49	2.0	µg/L	10.0	ND	**44.9**	*	70-130			L-03, MS-09, V-05
n-Propylbenzene	9.04	1.0	µg/L	10.0	ND	90.4		70-130			
Styrene	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,1,1,2-Tetrachloroethane	10.2	0.50	µg/L	10.0	ND	102		70-130			
1,1,2,2-Tetrachloroethane	9.38	0.50	µg/L	10.0	ND	93.8		70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0	ND	102		70-130			
Tetrahydrofuran	9.13	10	µg/L	10.0	ND	91.3		70-130			
Toluene	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,2,3-Trichlorobenzene	5.79	1.0	µg/L	10.0	ND	**57.9**	*	70-130			MS-09, V-05
1,2,4-Trichlorobenzene	6.14	0.50	µg/L	10.0	ND	**61.4**	*	70-130			MS-09, V-05
1,1,1-Trichloroethane	10.4	0.50	µg/L	10.0	ND	104		70-130			
1,1,2-Trichloroethane	10.4	0.50	µg/L	10.0	ND	104		70-130			
Trichloroethylene	10.0	1.0	µg/L	10.0	ND	100		70-130			
Trichlorofluoromethane (Freon 11)	9.77	2.0	µg/L	10.0	ND	97.7		70-130			
1,2,3-Trichloropropane	8.17	0.50	µg/L	10.0	ND	81.7		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 B298058 - SW-846 5030B											
Matrix Spike (B298058-MS1)	**Source: 21L1961-06**			Prepared & Analyzed: 12/30/21							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	0.50	µg/L	10.0	ND	104		70-130			
1,2,4-Trimethylbenzene	9.48	0.50	µg/L	10.0	ND	94.8		70-130			
1,3,5-Trimethylbenzene	9.25	0.50	µg/L	10.0	ND	92.5		70-130			
Vinyl Chloride	11.5	1.0	µg/L	10.0	ND	115		70-130			
m+p Xylene	19.6	2.0	µg/L	20.0	ND	97.8		70-130			
o-Xylene	10.2	1.0	µg/L	10.0	ND	102		70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/L	25.0		100		70-130			
Surrogate: Toluene-d8	*26.6*		µg/L	25.0		106		70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		70-130			
Matrix Spike Dup (B298058-MSD1)	**Source: 21L1961-06**			Prepared & Analyzed: 12/30/21							
Acetone	83.1	10	µg/L	100	ND	83.1		70-130	5.89	30	
Acrylonitrile	8.70	2.0	µg/L	10.0	ND	87.0		70-130	4.38	30	
Benzene	11.4	0.50	µg/L	10.0	ND	114		70-130	3.38	30	
Bromobenzene	9.58	0.50	µg/L	10.0	ND	95.8		70-130	1.05	30	
Bromodichloromethane	10.7	0.50	µg/L	10.0	ND	107		70-130	2.45	30	
Bromoform	8.84	0.50	µg/L	10.0	ND	88.4		70-130	0.113	30	
Bromomethane	13.9	2.0	µg/L	10.0	ND	**139**	*	70-130	9.43	30	MS-22, V-20
2-Butanone (MEK)	77.9	5.0	µg/L	100	ND	77.9		70-130	8.39	30	
n-Butylbenzene	8.65	1.0	µg/L	10.0	ND	86.5		70-130	13.1	30	
sec-Butylbenzene	9.99	1.0	µg/L	10.0	ND	99.9		70-130	12.7	30	
tert-Butylbenzene	10.3	1.0	µg/L	10.0	ND	103		70-130	9.32	30	
Carbon Disulfide	111	5.0	µg/L	100	ND	111		70-130	8.90	30	
Carbon Tetrachloride	10.8	0.50	µg/L	10.0	ND	108		70-130	10.0	30	
Chlorobenzene	10.7	0.50	µg/L	10.0	ND	107		70-130	3.13	30	
Chlorodibromomethane	10.4	0.50	µg/L	10.0	ND	104		70-130	0.769	30	
Chloroethane	13.2	0.50	µg/L	10.0	ND	**132**	*	70-130	2.91	30	MS-22, V-20
Chloroform	11.4	0.50	µg/L	10.0	ND	114		70-130	3.04	30	
Chloromethane	12.7	0.60	µg/L	10.0	ND	127		70-130	6.26	30	V-20
2-Chlorotoluene	9.88	0.50	µg/L	10.0	ND	98.8		70-130	4.24	30	
4-Chlorotoluene	9.84	0.50	µg/L	10.0	ND	98.4		70-130	7.38	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.19	1.0	µg/L	10.0	ND	71.9		70-130	1.52	30	
1,2-Dibromoethane (EDB)	9.81	0.50	µg/L	10.0	ND	98.1		70-130	1.13	30	
Dibromomethane	9.86	0.50	µg/L	10.0	ND	98.6		70-130	0.304	30	
1,2-Dichlorobenzene	10.3	0.50	µg/L	10.0	ND	103		70-130	5.40	30	
1,3-Dichlorobenzene	10.2	0.50	µg/L	10.0	ND	102		70-130	6.55	30	
1,4-Dichlorobenzene	10.0	0.50	µg/L	10.0	ND	100		70-130	9.49	30	
trans-1,4-Dichloro-2-butene	7.17	2.0	µg/L	10.0	ND	71.7		70-130	12.4	30	
Dichlorodifluoromethane (Freon 12)	10.7	0.50	µg/L	10.0	ND	107		70-130	16.1	30	
1,1-Dichloroethane	11.2	0.50	µg/L	10.0	ND	112		70-130	3.56	30	
1,2-Dichloroethane	10.0	0.50	µg/L	10.0	ND	100		70-130	4.29	30	
1,1-Dichloroethylene	11.7	0.50	µg/L	10.0	ND	117		70-130	6.79	30	
cis-1,2-Dichloroethylene	11.2	0.50	µg/L	10.0	ND	112		70-130	4.38	30	
trans-1,2-Dichloroethylene	11.3	1.0	µg/L	10.0	ND	113		70-130	6.29	30	
1,2-Dichloropropane	10.5	0.50	µg/L	10.0	ND	105		70-130	0.00	30	
1,3-Dichloropropane	10.0	0.50	µg/L	10.0	ND	100		70-130	1.00	30	
2,2-Dichloropropane	9.70	0.50	µg/L	10.0	ND	97.0		70-130	3.78	30	
1,1-Dichloropropene	10.7	0.50	µg/L	10.0	ND	107		70-130	7.74	30	
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0	ND	104		70-130	2.82	30	
trans-1,3-Dichloropropene	9.63	0.50	µg/L	10.0	ND	96.3		70-130	1.04	30	
Ethylbenzene	10.2	0.50	µg/L	10.0	ND	102		70-130	6.47	30	
Hexachlorobutadiene	9.06	0.60	µg/L	10.0	ND	90.6		70-130	22.5	30	

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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 B298058 - SW-846 5030B											
Matrix Spike Dup (B298058-MSD1)	**Source: 21L1961-06**			Prepared & Analyzed: 12/30/21							
2-Hexanone (MBK)	74.2	5.0	µg/L	100	ND	74.2		70-130	6.91	30	
Isopropylbenzene (Cumene)	10.3	0.50	µg/L	10.0	ND	103		70-130	4.59	30	
p-Isopropyltoluene (p-Cymene)	9.58	0.50	µg/L	10.0	ND	95.8		70-130	10.8	30	
Methyl tert-Butyl Ether (MTBE)	11.4	0.50	µg/L	10.0	ND	114		70-130	0.263	30	
Methylene Chloride	11.5	5.0	µg/L	10.0	ND	115		70-130	1.32	30	
4-Methyl-2-pentanone (MIBK)	81.5	5.0	µg/L	100	ND	81.5		70-130	6.23	30	
Naphthalene	4.67	2.0	µg/L	10.0	ND	**46.7**	*	70-130	3.93	30	L-03, MS-09, V-05
n-Propylbenzene	9.56	1.0	µg/L	10.0	ND	95.6		70-130	5.59	30	
Styrene	10.8	1.0	µg/L	10.0	ND	108		70-130	3.01	30	
1,1,1,2-Tetrachloroethane	10.5	0.50	µg/L	10.0	ND	105		70-130	3.19	30	
1,1,2,2-Tetrachloroethane	8.94	0.50	µg/L	10.0	ND	89.4		70-130	4.80	30	
Tetrachloroethylene	10.7	1.0	µg/L	10.0	ND	107		70-130	4.21	30	
Tetrahydrofuran	8.71	10	µg/L	10.0	ND	87.1		70-130	4.71	30	
Toluene	11.2	1.0	µg/L	10.0	ND	112		70-130	3.83	30	
1,2,3-Trichlorobenzene	6.36	1.0	µg/L	10.0	ND	**63.6**	*	70-130	9.38	30	MS-09, V-05
1,2,4-Trichlorobenzene	6.51	0.50	µg/L	10.0	ND	**65.1**	*	70-130	5.85	30	MS-09, V-05
1,1,1-Trichloroethane	10.8	0.50	µg/L	10.0	ND	108		70-130	4.53	30	
1,1,2-Trichloroethane	10.4	0.50	µg/L	10.0	ND	104		70-130	0.768	30	
Trichloroethylene	10.9	1.0	µg/L	10.0	ND	109		70-130	8.30	30	
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0	ND	110		70-130	12.0	30	
1,2,3-Trichloropropane	8.05	0.50	µg/L	10.0	ND	80.5		70-130	1.48	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	0.50	µg/L	10.0	ND	118		70-130	12.7	30	
1,2,4-Trimethylbenzene	10.1	0.50	µg/L	10.0	ND	101		70-130	6.13	30	
1,3,5-Trimethylbenzene	9.71	0.50	µg/L	10.0	ND	97.1		70-130	4.85	30	
Vinyl Chloride	12.4	1.0	µg/L	10.0	ND	124		70-130	7.13	30	
m+p Xylene	20.1	2.0	µg/L	20.0	ND	100		70-130	2.72	30	
o-Xylene	10.5	1.0	µg/L	10.0	ND	105		70-130	3.58	30	
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.7		70-130			
Surrogate: Toluene-d8	*26.2*		µg/L	25.0		105		70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.6		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 B298259 - SW-846 3510C										
Blank (B298259-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	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							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

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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 B298259 - SW-846 3510C											
Blank (B298259-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22							
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L							V-05	
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*128*		µg/L	200		64.2	15-110				
Surrogate: Phenol-d6	*94.0*		µg/L	200		47.0	15-110				
Surrogate: Nitrobenzene-d5	*96.4*		µg/L	100		96.4	30-130				
Surrogate: 2-Fluorobiphenyl	*98.7*		µg/L	100		98.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*199*		µg/L	200		99.4	15-110				
Surrogate: p-Terphenyl-d14	*110*		µg/L	100		110	30-130				
LCS (B298259-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22							
Acenaphthene	40.2	5.0	µg/L	50.0		80.3	40-140				
Acenaphthylene	42.1	5.0	µg/L	50.0		84.2	40-140				
Aniline	47.0	5.0	µg/L	50.0		94.1	40-140				†
Anthracene	41.8	5.0	µg/L	50.0		83.6	40-140				
Benzo(a)anthracene	40.6	5.0	µg/L	50.0		81.2	40-140				
Benzo(a)pyrene	42.7	5.0	µg/L	50.0		85.3	40-140				
Benzo(b)fluoranthene	43.6	5.0	µg/L	50.0		87.3	40-140				
Benzo(g,h,i)perylene	42.8	5.0	µg/L	50.0		85.6	40-140				
Benzo(k)fluoranthene	46.6	5.0	µg/L	50.0		93.2	40-140				
Bis(2-chloroethoxy)methane	42.5	10	µg/L	50.0		85.0	40-140				
Bis(2-chloroethyl)ether	42.7	10	µg/L	50.0		85.3	40-140				
Bis(2-chloroisopropyl)ether	53.2	10	µg/L	50.0		106	40-140				
Bis(2-Ethylhexyl)phthalate	42.7	10	µg/L	50.0		85.5	40-140				
4-Bromophenylphenylether	37.3	10	µg/L	50.0		74.6	40-140				
Butylbenzylphthalate	42.5	10	µg/L	50.0		85.0	40-140				
Carbazole	42.1	10	µg/L	50.0		84.2	40-140				
4-Chloroaniline	49.0	10	µg/L	50.0		98.1	40-140			V-34	†
4-Chloro-3-methylphenol	40.6	10	µg/L	50.0		81.3	30-130				
2-Chloronaphthalene	36.8	10	µg/L	50.0		73.6	40-140				
2-Chlorophenol	37.4	10	µg/L	50.0		74.8	30-130				
4-Chlorophenylphenylether	37.7	10	µg/L	50.0		75.4	40-140				
Chrysene	40.0	5.0	µg/L	50.0		80.1	40-140				
Dibenz(a,h)anthracene	43.6	5.0	µg/L	50.0		87.2	40-140				
Dibenzofuran	43.4	5.0	µg/L	50.0		86.8	40-140				
Di-n-butylphthalate	41.3	10	µg/L	50.0		82.6	40-140				
3,3-Dichlorobenzidine	47.1	10	µg/L	50.0		94.2	40-140				†
2,4-Dichlorophenol	38.6	10	µg/L	50.0		77.1	30-130				
Diethylphthalate	40.1	10	µg/L	50.0		80.2	40-140				
2,4-Dimethylphenol	38.5	10	µg/L	50.0		76.9	30-130				
Dimethylphthalate	40.2	10	µg/L	50.0		80.5	40-140				
4,6-Dinitro-2-methylphenol	36.3	10	µg/L	50.0		72.6	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 B298259 - SW-846 3510C										
LCS (B298259-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
2,4-Dinitrophenol	29.8	10	µg/L	50.0		59.6	30-130			V-05
2,4-Dinitrotoluene	42.4	10	µg/L	50.0		84.7	40-140			
2,6-Dinitrotoluene	44.6	10	µg/L	50.0		89.2	40-140			
Di-n-octylphthalate	54.1	10	µg/L	50.0		108	40-140			
Fluoranthene	41.6	5.0	µg/L	50.0		83.3	40-140			
Fluorene	41.8	5.0	µg/L	50.0		83.6	40-140			
Hexachlorobenzene	39.8	10	µg/L	50.0		79.5	40-140			
Hexachlorobutadiene	37.3	10	µg/L	50.0		74.6	40-140			
Hexachlorocyclopentadiene	20.2	10	µg/L	50.0		40.3	30-140			V-05
Hexachloroethane	37.2	10	µg/L	50.0		74.4	40-140			
Indeno(1,2,3-cd)pyrene	41.5	5.0	µg/L	50.0		83.0	40-140			
Isophorone	49.0	10	µg/L	50.0		98.0	40-140			
2-Methylnaphthalene	43.9	5.0	µg/L	50.0		87.9	40-140			
2-Methylphenol	39.5	10	µg/L	50.0		79.0	30-130			
3/4-Methylphenol	37.8	10	µg/L	50.0		75.5	30-130			
Naphthalene	40.2	5.0	µg/L	50.0		80.4	40-140			
2-Nitroaniline	49.6	10	µg/L	50.0		99.2	40-140			
3-Nitroaniline	47.9	10	µg/L	50.0		95.8	40-140			†
4-Nitroaniline	45.6	10	µg/L	50.0		91.3	40-140			
Nitrobenzene	43.1	10	µg/L	50.0		86.3	40-140			
2-Nitrophenol	39.3	10	µg/L	50.0		78.6	30-130			
4-Nitrophenol	23.7	10	µg/L	50.0		47.4	10-130			
N-Nitrosodiphenylamine/Diphenylamine	42.3	10	µg/L	50.0		84.6	40-140			
N-Nitrosodi-n-propylamine	45.6	10	µg/L	50.0		91.3	40-140			
Pentachloronitrobenzene	40.3	10	µg/L	50.0		80.6	40-140			
Pentachlorophenol	30.5	10	µg/L	50.0		61.0	30-130			V-05
Phenanthrene	41.8	5.0	µg/L	50.0		83.6	40-140			
Phenol	19.6	10	µg/L	50.0		39.2	20-130			
Pyrene	43.2	5.0	µg/L	50.0		86.4	40-140			
Pyridine	17.2	5.0	µg/L	50.0		34.5	10-140			†
1,2,4,5-Tetrachlorobenzene	37.5	10	µg/L	50.0		75.1	40-140			
1,2,4-Trichlorobenzene	37.6	5.0	µg/L	50.0		75.1	40-140			
2,4,5-Trichlorophenol	41.4	10	µg/L	50.0		82.9	30-130			
2,4,6-Trichlorophenol	38.2	10	µg/L	50.0		76.5	30-130			
Surrogate: 2-Fluorophenol	*115*		µg/L	200		57.4	15-110			
Surrogate: Phenol-d6	*86.0*		µg/L	200		43.0	15-110			
Surrogate: Nitrobenzene-d5	*85.7*		µg/L	100		85.7	30-130			
Surrogate: 2-Fluorobiphenyl	*85.9*		µg/L	100		85.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*171*		µg/L	200		85.4	15-110			
Surrogate: p-Terphenyl-d14	*91.3*		µg/L	100		91.3	30-130			
LCS Dup (B298259-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene	40.2	5.0	µg/L	50.0		80.5	40-140	0.174	20	
Acenaphthylene	42.4	5.0	µg/L	50.0		84.7	40-140	0.663	20	
Aniline	44.8	5.0	µg/L	50.0		89.6	40-140	4.88	50	† ‡
Anthracene	42.1	5.0	µg/L	50.0		84.2	40-140	0.667	20	
Benzo(a)anthracene	41.4	5.0	µg/L	50.0		82.9	40-140	2.05	20	
Benzo(a)pyrene	44.1	5.0	µg/L	50.0		88.3	40-140	3.41	20	
Benzo(b)fluoranthene	45.4	5.0	µg/L	50.0		90.8	40-140	3.98	20	
Benzo(g,h,i)perylene	41.6	5.0	µg/L	50.0		83.2	40-140	2.77	20	
Benzo(k)fluoranthene	47.2	5.0	µg/L	50.0		94.5	40-140	1.43	20	
Bis(2-chloroethoxy)methane	41.8	10	µg/L	50.0		83.6	40-140	1.59	20	

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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 B298259 - SW-846 3510C											
LCS Dup (B298259-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22							
Bis(2-chloroethyl)ether	41.3	10	µg/L	50.0		82.6	40-140	3.26	20		
Bis(2-chloroisopropyl)ether	50.6	10	µg/L	50.0		101	40-140	4.95	20		
Bis(2-Ethylhexyl)phthalate	44.0	10	µg/L	50.0		88.0	40-140	2.88	20		
4-Bromophenylphenylether	37.4	10	µg/L	50.0		74.9	40-140	0.348	20		
Butylbenzylphthalate	43.7	10	µg/L	50.0		87.4	40-140	2.74	20		
Carbazole	43.0	10	µg/L	50.0		85.9	40-140	2.00	20		
4-Chloroaniline	48.9	10	µg/L	50.0		97.9	40-140	0.204	20	V-34	†
4-Chloro-3-methylphenol	39.6	10	µg/L	50.0		79.2	30-130	2.62	20		
2-Chloronaphthalene	36.7	10	µg/L	50.0		73.4	40-140	0.163	20		
2-Chlorophenol	36.0	10	µg/L	50.0		72.0	30-130	3.82	20		
4-Chlorophenylphenylether	37.8	10	µg/L	50.0		75.5	40-140	0.132	20		
Chrysene	40.6	5.0	µg/L	50.0		81.1	40-140	1.27	20		
Dibenz(a,h)anthracene	42.3	5.0	µg/L	50.0		84.6	40-140	3.03	20		
Dibenzofuran	43.6	5.0	µg/L	50.0		87.3	40-140	0.551	20		
Di-n-butylphthalate	42.2	10	µg/L	50.0		84.5	40-140	2.20	20		
3,3-Dichlorobenzidine	48.4	10	µg/L	50.0		96.8	40-140	2.74	20		† ‡
2,4-Dichlorophenol	36.9	10	µg/L	50.0		73.8	30-130	4.43	20		
Diethylphthalate	40.6	10	µg/L	50.0		81.3	40-140	1.39	20		
2,4-Dimethylphenol	35.7	10	µg/L	50.0		71.4	30-130	7.42	20		
Dimethylphthalate	40.2	10	µg/L	50.0		80.5	40-140	0.0248	50		
4,6-Dinitro-2-methylphenol	36.4	10	µg/L	50.0		72.9	30-130	0.330	50		
2,4-Dinitrophenol	29.4	10	µg/L	50.0		58.7	30-130	1.45	50	V-05	
2,4-Dinitrotoluene	42.4	10	µg/L	50.0		84.8	40-140	0.0708	20		
2,6-Dinitrotoluene	44.6	10	µg/L	50.0		89.1	40-140	0.0449	20		
Di-n-octylphthalate	54.6	10	µg/L	50.0		109	40-140	0.847	20		
Fluoranthene	42.6	5.0	µg/L	50.0		85.1	40-140	2.23	20		
Fluorene	41.6	5.0	µg/L	50.0		83.3	40-140	0.431	20		
Hexachlorobenzene	40.3	10	µg/L	50.0		80.7	40-140	1.47	20		
Hexachlorobutadiene	36.1	10	µg/L	50.0		72.1	40-140	3.41	20		
Hexachlorocyclopentadiene	22.8	10	µg/L	50.0		45.5	30-140	12.2	50	V-05	
Hexachloroethane	36.0	10	µg/L	50.0		72.0	40-140	3.31	50		
Indeno(1,2,3-cd)pyrene	40.4	5.0	µg/L	50.0		80.8	40-140	2.76	50		
Isophorone	47.2	10	µg/L	50.0		94.4	40-140	3.78	20		
2-Methylnaphthalene	43.2	5.0	µg/L	50.0		86.4	40-140	1.70	20		
2-Methylphenol	37.4	10	µg/L	50.0		74.8	30-130	5.44	20		
3/4-Methylphenol	36.0	10	µg/L	50.0		71.9	30-130	4.86	20		
Naphthalene	39.4	5.0	µg/L	50.0		78.8	40-140	2.01	20		
2-Nitroaniline	49.7	10	µg/L	50.0		99.4	40-140	0.201	20		
3-Nitroaniline	48.4	10	µg/L	50.0		96.8	40-140	1.06	20		†
4-Nitroaniline	45.8	10	µg/L	50.0		91.6	40-140	0.372	20		
Nitrobenzene	42.5	10	µg/L	50.0		85.1	40-140	1.40	20		
2-Nitrophenol	38.6	10	µg/L	50.0		77.2	30-130	1.82	20		
4-Nitrophenol	22.7	10	µg/L	50.0		45.3	10-130	4.44	50		‡
N-Nitrosodiphenylamine/Diphenylamine	42.8	10	µg/L	50.0		85.5	40-140	1.08	20		
N-Nitrosodi-n-propylamine	43.0	10	µg/L	50.0		85.9	40-140	6.05	20		
Pentachloronitrobenzene	41.0	10	µg/L	50.0		82.0	40-140	1.65	20		
Pentachlorophenol	30.6	10	µg/L	50.0		61.2	30-130	0.262	50	V-05	
Phenanthrene	42.3	5.0	µg/L	50.0		84.6	40-140	1.14	20		
Phenol	18.6	10	µg/L	50.0		37.3	20-130	4.92	20		
Pyrene	43.9	5.0	µg/L	50.0		87.7	40-140	1.52	20		
Pyridine	14.4	5.0	µg/L	50.0		28.8	10-140	18.0	50		†
1,2,4,5-Tetrachlorobenzene	38.1	10	µg/L	50.0		76.2	40-140	1.48	20		

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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 B298259 - SW-846 3510C										
LCS Dup (B298259-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
1,2,4-Trichlorobenzene	36.6	5.0	µg/L	50.0		73.3	40-140	2.53	20	
2,4,5-Trichlorophenol	42.2	10	µg/L	50.0		84.5	30-130	1.89	20	
2,4,6-Trichlorophenol	38.4	10	µg/L	50.0		76.8	30-130	0.444	50	
Surrogate: 2-Fluorophenol	*109*		µg/L	200		54.6	15-110			
Surrogate: Phenol-d6	*80.3*		µg/L	200		40.2	15-110			
Surrogate: Nitrobenzene-d5	*82.9*		µg/L	100		82.9	30-130			
Surrogate: 2-Fluorobiphenyl	*86.4*		µg/L	100		86.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*166*		µg/L	200		83.0	15-110			
Surrogate: p-Terphenyl-d14	*91.6*		µg/L	100		91.6	30-130			
Matrix Spike (B298259-MS1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene	38.0	5.0	µg/L	50.0	ND	76.1	40-140			
Acenaphthylene	40.2	5.0	µg/L	50.0	ND	80.4	40-140			
Aniline	39.8	5.0	µg/L	50.0	ND	79.5	40-140			
Anthracene	40.2	5.0	µg/L	50.0	ND	80.5	40-140			
Benzo(a)anthracene	40.1	5.0	µg/L	50.0	ND	80.3	40-140			
Benzo(a)pyrene	42.6	5.0	µg/L	50.0	ND	85.3	40-140			
Benzo(b)fluoranthene	43.9	5.0	µg/L	50.0	ND	87.9	40-140			
Benzo(g,h,i)perylene	33.3	5.0	µg/L	50.0	ND	66.6	40-140			
Benzo(k)fluoranthene	44.6	5.0	µg/L	50.0	ND	89.2	40-140			
Bis(2-chloroethoxy)methane	38.6	10	µg/L	50.0	ND	77.3	40-140			
Bis(2-chloroethyl)ether	36.3	10	µg/L	50.0	ND	72.6	40-140			
Bis(2-chloroisopropyl)ether	44.5	10	µg/L	50.0	ND	89.1	40-140			
Bis(2-Ethylhexyl)phthalate	40.1	10	µg/L	50.0	ND	80.2	40-140			
4-Bromophenylphenylether	36.0	10	µg/L	50.0	ND	72.1	40-140			
Butylbenzylphthalate	40.5	10	µg/L	50.0	ND	81.0	40-140			
Carbazole	40.9	10	µg/L	50.0	ND	81.7	40-140			
4-Chloroaniline	44.3	10	µg/L	50.0	ND	88.7	40-140			V-34
4-Chloro-3-methylphenol	38.4	10	µg/L	50.0	ND	76.9	30-130			
2-Chloronaphthalene	35.6	10	µg/L	50.0	ND	71.1	40-140			
2-Chlorophenol	33.4	10	µg/L	50.0	ND	66.7	30-130			
4-Chlorophenylphenylether	37.0	10	µg/L	50.0	ND	74.0	40-140			
Chrysene	39.1	5.0	µg/L	50.0	ND	78.2	40-140			
Dibenz(a,h)anthracene	34.7	5.0	µg/L	50.0	ND	69.3	40-140			
Dibenzofuran	41.9	5.0	µg/L	50.0	ND	83.8	40-140			
Di-n-butylphthalate	40.2	10	µg/L	50.0	ND	80.3	40-140			
3,3-Dichlorobenzidine	45.8	10	µg/L	50.0	ND	91.5	40-140			
2,4-Dichlorophenol	36.0	10	µg/L	50.0	ND	72.1	30-130			
Diethylphthalate	39.0	10	µg/L	50.0	ND	78.0	40-140			
2,4-Dimethylphenol	37.2	10	µg/L	50.0	ND	74.3	30-130			
Dimethylphthalate	38.5	10	µg/L	50.0	ND	77.0	40-140			
4,6-Dinitro-2-methylphenol	34.3	10	µg/L	50.0	ND	68.6	30-130			
2,4-Dinitrophenol	28.4	10	µg/L	50.0	ND	56.8	30-130			V-05
2,4-Dinitrotoluene	41.1	10	µg/L	50.0	ND	82.2	40-140			
2,6-Dinitrotoluene	42.7	10	µg/L	50.0	ND	85.4	40-140			
Di-n-octylphthalate	46.5	10	µg/L	50.0	ND	93.0	40-140			
Fluoranthene	41.2	5.0	µg/L	50.0	ND	82.4	40-140			
Fluorene	40.6	5.0	µg/L	50.0	ND	81.1	40-140			
Hexachlorobenzene	39.5	10	µg/L	50.0	ND	79.0	40-140			
Hexachlorobutadiene	33.7	10	µg/L	50.0	ND	67.5	40-140			
Hexachlorocyclopentadiene	22.2	10	µg/L	50.0	ND	44.3	40-140			V-05
Hexachloroethane	31.1	10	µg/L	50.0	ND	62.1	40-140			

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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 B298259 - SW-846 3510C											
Matrix Spike (B298259-MS1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/05/22							
Indeno(1,2,3-cd)pyrene	33.1	5.0	µg/L	50.0	ND	66.2		40-140			
Isophorone	44.9	10	µg/L	50.0	ND	89.7		40-140			
2-Methylnaphthalene	41.3	5.0	µg/L	50.0	ND	82.6		40-140			
2-Methylphenol	35.1	10	µg/L	50.0	ND	70.3		30-130			
3/4-Methylphenol	34.0	10	µg/L	50.0	ND	68.0		30-130			
Naphthalene	36.3	5.0	µg/L	50.0	ND	72.6		40-140			
2-Nitroaniline	45.1	10	µg/L	50.0	ND	90.2		40-140			
3-Nitroaniline	45.9	10	µg/L	50.0	ND	91.8		40-140			
4-Nitroaniline	44.5	10	µg/L	50.0	ND	89.0		40-140			
Nitrobenzene	38.4	10	µg/L	50.0	ND	76.7		40-140			
2-Nitrophenol	35.9	10	µg/L	50.0	ND	71.8		30-130			
4-Nitrophenol	21.6	10	µg/L	50.0	ND	43.2		30-130			
N-Nitrosodiphenylamine/Diphenylamine	41.0	10	µg/L	50.0	ND	82.1		40-140			
N-Nitrosodi-n-propylamine	40.7	10	µg/L	50.0	ND	81.5		40-140			
Pentachloronitrobenzene	39.9	10	µg/L	50.0	ND	79.9		40-140			
Pentachlorophenol	30.0	10	µg/L	50.0	ND	60.0		30-130			V-05
Phenanthrene	40.2	5.0	µg/L	50.0	ND	80.5		40-140			
Phenol	16.9	10	µg/L	50.0	ND	33.7		30-130			
Pyrene	41.5	5.0	µg/L	50.0	ND	82.9		40-140			
Pyridine	16.9	5.0	µg/L	50.0	ND	**33.8**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	35.3	10	µg/L	50.0	ND	70.6		40-140			
1,2,4-Trichlorobenzene	34.1	5.0	µg/L	50.0	ND	68.3		40-140			
2,4,5-Trichlorophenol	39.7	10	µg/L	50.0	ND	79.4		30-130			
2,4,6-Trichlorophenol	37.3	10	µg/L	50.0	ND	74.6		30-130			
Surrogate: 2-Fluorophenol	*102*		µg/L	200		50.8		15-110			
Surrogate: Phenol-d6	*75.3*		µg/L	200		37.7		15-110			
Surrogate: Nitrobenzene-d5	*78.7*		µg/L	100		78.7		30-130			
Surrogate: 2-Fluorobiphenyl	*83.7*		µg/L	100		83.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*179*		µg/L	200		89.5		15-110			
Surrogate: p-Terphenyl-d14	*91.6*		µg/L	100		91.6		30-130			
Matrix Spike Dup (B298259-MSD1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/05/22							
Acenaphthene	36.4	5.0	µg/L	50.0	ND	72.9		40-140	4.30	30	
Acenaphthylene	38.6	5.0	µg/L	50.0	ND	77.1		40-140	4.24	30	
Aniline	41.0	5.0	µg/L	50.0	ND	81.9		40-140	3.02	30	
Anthracene	39.7	5.0	µg/L	50.0	ND	79.5		40-140	1.25	30	
Benzo(a)anthracene	38.9	5.0	µg/L	50.0	ND	77.8		40-140	3.09	30	
Benzo(a)pyrene	41.6	5.0	µg/L	50.0	ND	83.2		40-140	2.54	30	
Benzo(b)fluoranthene	42.1	5.0	µg/L	50.0	ND	84.3		40-140	4.16	30	
Benzo(g,h,i)perylene	32.3	5.0	µg/L	50.0	ND	64.7		40-140	2.86	30	
Benzo(k)fluoranthene	44.2	5.0	µg/L	50.0	ND	88.4		40-140	0.878	30	
Bis(2-chloroethoxy)methane	36.2	10	µg/L	50.0	ND	72.5		40-140	6.44	30	
Bis(2-chloroethyl)ether	33.3	10	µg/L	50.0	ND	66.6		40-140	8.54	30	
Bis(2-chloroisopropyl)ether	41.1	10	µg/L	50.0	ND	82.1		40-140	8.11	30	
Bis(2-Ethylhexyl)phthalate	39.9	10	µg/L	50.0	ND	79.7		40-140	0.575	30	
4-Bromophenylphenylether	34.7	10	µg/L	50.0	ND	69.4		40-140	3.79	30	
Butylbenzylphthalate	39.9	10	µg/L	50.0	ND	79.8		40-140	1.44	30	
Carbazole	40.9	10	µg/L	50.0	ND	81.8		40-140	0.0245	30	
4-Chloroaniline	45.4	10	µg/L	50.0	ND	90.8		40-140	2.34	30	V-34
4-Chloro-3-methylphenol	37.7	10	µg/L	50.0	ND	75.4		30-130	1.94	30	
2-Chloronaphthalene	33.8	10	µg/L	50.0	ND	67.6		40-140	5.05	30	
2-Chlorophenol	30.2	10	µg/L	50.0	ND	60.4		30-130	9.91	30	

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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 B298259 - SW-846 3510C											
Matrix Spike Dup (B298259-MSD1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/05/22							
4-Chlorophenylphenylether	35.2	10	µg/L	50.0	ND	70.4		40-140	4.98	30	
Chrysene	38.1	5.0	µg/L	50.0	ND	76.1		40-140	2.75	30	
Dibenz(a,h)anthracene	33.6	5.0	µg/L	50.0	ND	67.2		40-140	3.14	30	
Dibenzofuran	40.2	5.0	µg/L	50.0	ND	80.4		40-140	4.19	30	
Di-n-butylphthalate	39.5	10	µg/L	50.0	ND	79.1		40-140	1.61	30	
3,3-Dichlorobenzidine	44.6	10	µg/L	50.0	ND	89.1		40-140	2.66	30	
2,4-Dichlorophenol	33.8	10	µg/L	50.0	ND	67.5		30-130	6.56	30	
Diethylphthalate	37.8	10	µg/L	50.0	ND	75.6		40-140	3.15	30	
2,4-Dimethylphenol	35.4	10	µg/L	50.0	ND	70.8		30-130	4.88	30	
Dimethylphthalate	37.5	10	µg/L	50.0	ND	75.1		40-140	2.60	30	
4,6-Dinitro-2-methylphenol	33.6	10	µg/L	50.0	ND	67.3		30-130	2.00	30	
2,4-Dinitrophenol	28.0	10	µg/L	50.0	ND	56.1		30-130	1.31	30	V-05
2,4-Dinitrotoluene	40.1	10	µg/L	50.0	ND	80.1		40-140	2.59	30	
2,6-Dinitrotoluene	41.5	10	µg/L	50.0	ND	83.0		40-140	2.90	30	
Di-n-octylphthalate	45.8	10	µg/L	50.0	ND	91.7		40-140	1.49	30	
Fluoranthene	40.9	5.0	µg/L	50.0	ND	81.8		40-140	0.755	30	
Fluorene	38.8	5.0	µg/L	50.0	ND	77.6		40-140	4.41	30	
Hexachlorobenzene	37.6	10	µg/L	50.0	ND	75.3		40-140	4.80	30	
Hexachlorobutadiene	28.8	10	µg/L	50.0	ND	57.6		40-140	15.8	30	
Hexachlorocyclopentadiene	20.1	10	µg/L	50.0	ND	40.2		40-140	9.85	30	V-05
Hexachloroethane	27.3	10	µg/L	50.0	ND	54.5		40-140	13.1	30	
Indeno(1,2,3-cd)pyrene	32.1	5.0	µg/L	50.0	ND	64.2		40-140	3.01	30	
Isophorone	43.3	10	µg/L	50.0	ND	86.7		40-140	3.45	30	
2-Methylnaphthalene	38.4	5.0	µg/L	50.0	ND	76.8		40-140	7.27	30	
2-Methylphenol	33.2	10	µg/L	50.0	ND	66.4		30-130	5.62	30	
3/4-Methylphenol	32.0	10	µg/L	50.0	ND	64.1		30-130	5.91	30	
Naphthalene	32.8	5.0	µg/L	50.0	ND	65.5		40-140	10.3	30	
2-Nitroaniline	45.5	10	µg/L	50.0	ND	91.0		40-140	0.883	30	
3-Nitroaniline	45.7	10	µg/L	50.0	ND	91.3		40-140	0.524	30	
4-Nitroaniline	43.4	10	µg/L	50.0	ND	86.8		40-140	2.43	30	
Nitrobenzene	35.2	10	µg/L	50.0	ND	70.4		40-140	8.62	30	
2-Nitrophenol	32.5	10	µg/L	50.0	ND	65.0		30-130	9.94	30	
4-Nitrophenol	20.9	10	µg/L	50.0	ND	41.8		30-130	3.29	30	
N-Nitrosodiphenylamine/Diphenylamine	40.1	10	µg/L	50.0	ND	80.1		40-140	2.42	30	
N-Nitrosodi-n-propylamine	39.2	10	µg/L	50.0	ND	78.3		40-140	3.90	30	
Pentachloronitrobenzene	37.9	10	µg/L	50.0	ND	75.7		40-140	5.32	30	
Pentachlorophenol	28.8	10	µg/L	50.0	ND	57.6		30-130	4.15	30	V-05
Phenanthrene	39.7	5.0	µg/L	50.0	ND	79.4		40-140	1.33	30	
Phenol	15.4	10	µg/L	50.0	ND	30.9		30-130	8.79	30	
Pyrene	40.3	5.0	µg/L	50.0	ND	80.7		40-140	2.79	30	
Pyridine	15.9	5.0	µg/L	50.0	ND	**31.9**	*	40-140	5.73	30	MS-09
1,2,4,5-Tetrachlorobenzene	32.9	10	µg/L	50.0	ND	65.7		40-140	7.07	30	
1,2,4-Trichlorobenzene	29.8	5.0	µg/L	50.0	ND	59.7		40-140	13.4	30	
2,4,5-Trichlorophenol	38.8	10	µg/L	50.0	ND	77.6		30-130	2.37	30	
2,4,6-Trichlorophenol	35.6	10	µg/L	50.0	ND	71.2		30-130	4.64	30	
Surrogate: 2-Fluorophenol	*86.4*		µg/L	200		43.2		15-110			
Surrogate: Phenol-d6	*66.8*		µg/L	200		33.4		15-110			
Surrogate: Nitrobenzene-d5	*69.2*		µg/L	100		69.2		30-130			
Surrogate: 2-Fluorobiphenyl	*76.3*		µg/L	100		76.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*160*		µg/L	200		80.2		15-110			
Surrogate: p-Terphenyl-d14	*85.1*		µg/L	100		85.1		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 B298270 - SW-846 3510C										
Blank (B298270-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthylene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.10	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.10	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Surrogate: o-Terphenyl (OTP)	*68.4*		µg/L	100		68.4	30-130			
LCS (B298270-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthylene (SIM)	77.0	8.0	µg/L	100		77.0	40-140			
Benzo(a)anthracene (SIM)	107	2.0	µg/L	100		107	40-140			
Benzo(a)pyrene (SIM)	101	4.0	µg/L	100		101	40-140			
Benzo(b)fluoranthene (SIM)	119	2.0	µg/L	100		119	40-140			
Benzo(g,h,i)perylene (SIM)	96.0	4.0	µg/L	100		96.0	40-140			
Benzo(k)fluoranthene (SIM)	96.1	8.0	µg/L	100		96.1	40-140			
Chrysene (SIM)	111	4.0	µg/L	100		111	40-140			
Dibenz(a,h)anthracene (SIM)	103	4.0	µg/L	100		103	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	99.1	4.0	µg/L	100		99.1	40-140			
Phenanthrene (SIM)	100	2.0	µg/L	100		100	40-140			
Surrogate: o-Terphenyl (OTP)	*107*		µg/L	100		107	30-130			
LCS Dup (B298270-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthylene (SIM)	71.9	8.0	µg/L	100		71.9	40-140	6.77	20	
Benzo(a)anthracene (SIM)	98.3	2.0	µg/L	100		98.3	40-140	8.46	20	
Benzo(a)pyrene (SIM)	92.3	4.0	µg/L	100		92.3	40-140	8.58	20	
Benzo(b)fluoranthene (SIM)	109	2.0	µg/L	100		109	40-140	8.51	20	
Benzo(g,h,i)perylene (SIM)	89.2	4.0	µg/L	100		89.2	40-140	7.30	20	
Benzo(k)fluoranthene (SIM)	89.1	8.0	µg/L	100		89.1	40-140	7.52	20	
Chrysene (SIM)	107	4.0	µg/L	100		107	40-140	4.19	20	
Dibenz(a,h)anthracene (SIM)	95.8	4.0	µg/L	100		95.8	40-140	7.09	20	
Indeno(1,2,3-cd)pyrene (SIM)	91.0	4.0	µg/L	100		91.0	40-140	8.50	20	
Phenanthrene (SIM)	92.6	2.0	µg/L	100		92.6	40-140	7.68	20	
Surrogate: o-Terphenyl (OTP)	*102*		µg/L	100		102	30-130			
Matrix Spike (B298270-MS1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/06/22						
Acenaphthylene (SIM)	53.7	7.9	µg/L	99.0	ND	54.2	40-140			
Benzo(a)anthracene (SIM)	78.3	2.0	µg/L	99.0	ND	79.1	40-140			
Benzo(a)pyrene (SIM)	70.6	4.0	µg/L	99.0	ND	71.3	40-140			
Benzo(b)fluoranthene (SIM)	80.6	2.0	µg/L	99.0	ND	81.4	40-140			
Benzo(g,h,i)perylene (SIM)	63.9	4.0	µg/L	99.0	ND	64.6	40-140			
Benzo(k)fluoranthene (SIM)	64.0	7.9	µg/L	99.0	ND	64.6	40-140			
Chrysene (SIM)	75.9	4.0	µg/L	99.0	ND	76.6	40-140			
Dibenz(a,h)anthracene (SIM)	69.3	4.0	µg/L	99.0	ND	70.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	70.9	4.0	µg/L	99.0	ND	71.6	40-140			
Phenanthrene (SIM)	67.2	2.0	µg/L	99.0	ND	67.9	40-140			
Surrogate: o-Terphenyl (OTP)	*70.6*		µg/L	99.0		71.3	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 B298270 - SW-846 3510C										
Matrix Spike Dup (B298270-MSD1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/06/22						
Acenaphthylene (SIM)	52.8	8.0	µg/L	100	ND	52.8	40-140	1.62	30	
Benzo(a)anthracene (SIM)	78.9	2.0	µg/L	100	ND	78.9	40-140	0.792	30	
Benzo(a)pyrene (SIM)	71.8	4.0	µg/L	100	ND	71.8	40-140	1.61	30	
Benzo(b)fluoranthene (SIM)	83.5	2.0	µg/L	100	ND	83.5	40-140	3.61	30	
Benzo(g,h,i)perylene (SIM)	64.0	4.0	µg/L	100	ND	64.0	40-140	0.186	30	
Benzo(k)fluoranthene (SIM)	67.0	8.0	µg/L	100	ND	67.0	40-140	4.64	30	
Chrysene (SIM)	79.8	4.0	µg/L	100	ND	79.8	40-140	5.08	30	
Dibenz(a,h)anthracene (SIM)	70.9	4.0	µg/L	100	ND	70.9	40-140	2.24	30	
Indeno(1,2,3-cd)pyrene (SIM)	70.2	4.0	µg/L	100	ND	70.2	40-140	0.924	30	
Phenanthrene (SIM)	68.3	2.0	µg/L	100	ND	68.3	40-140	1.58	30	
Surrogate: o-Terphenyl (OTP)	*75.4*		µg/L	100		75.4	30-130			
Batch B298328 - SW-846 3510C										
Blank (B298328-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*79.2*		µg/L	100		79.2	30-130			
Surrogate: 2-Fluorobiphenyl	*68.9*		µg/L	100		68.9	30-130			
Surrogate: p-Terphenyl-d14	*98.7*		µg/L	100		98.7	30-130			
LCS (B298328-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	33.3	6.0	µg/L	50.0		66.6	40-140			
Acenaphthylene (SIM)	35.8	4.0	µg/L	50.0		71.7	40-140			
Anthracene (SIM)	35.5	4.0	µg/L	50.0		70.9	40-140			
Benzo(a)anthracene (SIM)	35.6	1.0	µg/L	50.0		71.3	40-140			
Benzo(a)pyrene (SIM)	37.8	2.0	µg/L	50.0		75.7	40-140			
Benzo(b)fluoranthene (SIM)	39.2	1.0	µg/L	50.0		78.5	40-140			
Benzo(g,h,i)perylene (SIM)	36.7	10	µg/L	50.0		73.5	40-140			
Benzo(k)fluoranthene (SIM)	39.4	4.0	µg/L	50.0		78.9	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	36.8	20	µg/L	50.0		73.7	40-140			
Chrysene (SIM)	34.4	4.0	µg/L	50.0		68.8	40-140			
Dibenz(a,h)anthracene (SIM)	35.8	2.0	µg/L	50.0		71.5	40-140			
Fluoranthene (SIM)	35.2	10	µg/L	50.0		70.5	40-140			
Fluorene (SIM)	35.7	20	µg/L	50.0		71.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	35.3	2.0	µg/L	50.0		70.7	40-140			
2-Methylnaphthalene (SIM)	36.1	20	µg/L	50.0		72.2	40-140			

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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 B298328 - SW-846 3510C										
LCS (B298328-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Naphthalene (SIM)	32.9	20	µg/L	50.0		65.8	40-140			
Phenanthrene (SIM)	34.0	1.0	µg/L	50.0		68.0	40-140			
Pyrene (SIM)	33.3	20	µg/L	50.0		66.6	40-140			
Surrogate: Nitrobenzene-d5	*70.5*		µg/L	100		70.5	30-130			
Surrogate: 2-Fluorobiphenyl	*72.8*		µg/L	100		72.8	30-130			
Surrogate: p-Terphenyl-d14	*95.3*		µg/L	100		95.3	30-130			
LCS Dup (B298328-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	36.5	6.0	µg/L	50.0		73.0	40-140	9.22	20	
Acenaphthylene (SIM)	39.3	4.0	µg/L	50.0		78.7	40-140	9.31	20	
Anthracene (SIM)	39.4	4.0	µg/L	50.0		78.7	40-140	10.4	20	
Benzo(a)anthracene (SIM)	39.6	1.0	µg/L	50.0		79.2	40-140	10.5	20	
Benzo(a)pyrene (SIM)	42.6	2.0	µg/L	50.0		85.2	40-140	11.8	20	
Benzo(b)fluoranthene (SIM)	43.7	1.0	µg/L	50.0		87.5	40-140	10.8	20	
Benzo(g,h,i)perylene (SIM)	41.4	10	µg/L	50.0		82.7	40-140	11.8	20	
Benzo(k)fluoranthene (SIM)	44.4	4.0	µg/L	50.0		88.8	40-140	11.8	20	
Bis(2-ethylhexyl)phthalate (SIM)	41.1	20	µg/L	50.0		82.2	40-140	10.9	20	
Chrysene (SIM)	38.1	4.0	µg/L	50.0		76.1	40-140	10.1	20	
Dibenz(a,h)anthracene (SIM)	40.5	2.0	µg/L	50.0		81.1	40-140	12.5	20	
Fluoranthene (SIM)	39.4	10	µg/L	50.0		78.8	40-140	11.1	20	
Fluorene (SIM)	39.1	20	µg/L	50.0		78.1	40-140	8.93	20	
Indeno(1,2,3-cd)pyrene (SIM)	40.0	2.0	µg/L	50.0		80.0	40-140	12.3	20	
2-Methylnaphthalene (SIM)	39.5	20	µg/L	50.0		79.0	40-140	9.00	20	
Naphthalene (SIM)	36.1	20	µg/L	50.0		72.2	40-140	9.28	20	
Phenanthrene (SIM)	38.1	1.0	µg/L	50.0		76.2	40-140	11.3	20	
Pyrene (SIM)	36.9	20	µg/L	50.0		73.8	40-140	10.3	20	
Surrogate: Nitrobenzene-d5	*74.5*		µg/L	100		74.5	30-130			
Surrogate: 2-Fluorobiphenyl	*79.9*		µg/L	100		79.9	30-130			
Surrogate: p-Terphenyl-d14	*104*		µg/L	100		104	30-130			
Matrix Spike (B298328-MS1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	35.1	6.0	µg/L	50.0	ND	70.2	40-140			
Acenaphthylene (SIM)	37.9	4.0	µg/L	50.0	ND	75.7	40-140			
Anthracene (SIM)	38.0	4.0	µg/L	50.0	ND	76.0	40-140			
Benzo(a)anthracene (SIM)	38.1	1.0	µg/L	50.0	ND	76.3	40-140			
Benzo(a)pyrene (SIM)	41.0	2.0	µg/L	50.0	ND	82.1	40-140			
Benzo(b)fluoranthene (SIM)	41.6	1.0	µg/L	50.0	ND	83.3	40-140			
Benzo(g,h,i)perylene (SIM)	39.5	10	µg/L	50.0	ND	79.1	40-140			
Benzo(k)fluoranthene (SIM)	40.9	4.0	µg/L	50.0	ND	81.8	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	40.5	20	µg/L	50.0	ND	81.0	40-140			
Chrysene (SIM)	36.2	4.0	µg/L	50.0	ND	72.3	40-140			
Dibenz(a,h)anthracene (SIM)	39.1	2.0	µg/L	50.0	ND	78.1	40-140			
Fluoranthene (SIM)	37.9	10	µg/L	50.0	ND	75.8	40-140			
Fluorene (SIM)	38.1	20	µg/L	50.0	ND	76.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	38.7	2.0	µg/L	50.0	ND	77.4	40-140			
2-Methylnaphthalene (SIM)	37.6	20	µg/L	50.0	ND	75.2	40-140			
Naphthalene (SIM)	33.7	20	µg/L	50.0	ND	67.4	40-140			
Phenanthrene (SIM)	36.2	1.0	µg/L	50.0	ND	72.4	40-140			
Pyrene (SIM)	35.3	20	µg/L	50.0	ND	70.6	40-140			
Surrogate: Nitrobenzene-d5	*72.3*		µg/L	100		72.3	30-130			
Surrogate: 2-Fluorobiphenyl	*76.7*		µg/L	100		76.7	30-130			
Surrogate: p-Terphenyl-d14	*103*		µg/L	100		103	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 B298328 - SW-846 3510C										
Matrix Spike Dup (B298328-MSD1)	**Source: 21L1961-06**			Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	35.9	6.0	µg/L	50.0	ND	71.8	40-140	2.25	30	
Acenaphthylene (SIM)	38.8	4.0	µg/L	50.0	ND	77.5	40-140	2.35	30	
Anthracene (SIM)	40.3	4.0	µg/L	50.0	ND	80.5	40-140	5.83	30	
Benzo(a)anthracene (SIM)	40.4	1.0	µg/L	50.0	ND	80.8	40-140	5.80	30	
Benzo(a)pyrene (SIM)	43.6	2.0	µg/L	50.0	ND	87.2	40-140	6.00	30	
Benzo(b)fluoranthene (SIM)	44.4	1.0	µg/L	50.0	ND	88.8	40-140	6.46	30	
Benzo(g,h,i)perylene (SIM)	42.3	10	µg/L	50.0	ND	84.6	40-140	6.74	30	
Benzo(k)fluoranthene (SIM)	43.5	4.0	µg/L	50.0	ND	87.0	40-140	6.26	30	
Bis(2-ethylhexyl)phthalate (SIM)	42.5	20	µg/L	50.0	ND	85.0	40-140	4.82	30	
Chrysene (SIM)	38.5	4.0	µg/L	50.0	ND	77.1	40-140	6.37	30	
Dibenz(a,h)anthracene (SIM)	41.5	2.0	µg/L	50.0	ND	83.1	40-140	6.15	30	
Fluoranthene (SIM)	40.1	10	µg/L	50.0	ND	80.2	40-140	5.69	30	
Fluorene (SIM)	39.6	20	µg/L	50.0	ND	79.3	40-140	4.01	30	
Indeno(1,2,3-cd)pyrene (SIM)	41.4	2.0	µg/L	50.0	ND	82.8	40-140	6.84	30	
2-Methylnaphthalene (SIM)	37.2	20	µg/L	50.0	ND	74.4	40-140	1.12	30	
Naphthalene (SIM)	32.2	20	µg/L	50.0	ND	64.3	40-140	4.62	30	
Phenanthrene (SIM)	38.5	1.0	µg/L	50.0	ND	77.0	40-140	6.11	30	
Pyrene (SIM)	37.5	20	µg/L	50.0	ND	75.0	40-140	6.05	30	
Surrogate: Nitrobenzene-d5	*68.2*		µg/L	100		68.2	30-130			
Surrogate: 2-Fluorobiphenyl	*75.8*		µg/L	100		75.8	30-130			
Surrogate: p-Terphenyl-d14	*104*		µg/L	100		104	30-130			
Batch B298331 - SW-846 3510C										
Blank (B298331-BLK1)				Prepared: 01/05/22 Analyzed: 01/06/22						
Acenaphthene	ND	2.5	µg/L							
Acenaphthylene	ND	2.5	µg/L							
Aniline	ND	2.5	µg/L							
Anthracene	ND	2.5	µg/L							
Benzo(a)anthracene	ND	2.5	µg/L							
Benzo(a)pyrene	ND	2.5	µg/L							
Benzo(b)fluoranthene	ND	2.5	µg/L							
Benzo(g,h,i)perylene	ND	2.5	µg/L							
Benzo(k)fluoranthene	ND	2.5	µg/L							
Bis(2-chloroethoxy)methane	ND	5.0	µg/L							
Bis(2-chloroethyl)ether	ND	5.0	µg/L							
Bis(2-chloroisopropyl)ether	ND	5.0	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	5.0	µg/L							
Butylbenzylphthalate	ND	5.0	µg/L							
Carbazole	ND	5.0	µg/L							
4-Chloroaniline	ND	5.0	µg/L							V-34
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2-Chloronaphthalene	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
4-Chlorophenylphenylether	ND	5.0	µg/L							
Chrysene	ND	2.5	µg/L							
Dibenz(a,h)anthracene	ND	2.5	µg/L							
Dibenzofuran	ND	2.5	µg/L							
Di-n-butylphthalate	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
Diethylphthalate	ND	5.0	µg/L							

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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 B298331 - SW-846 3510C										
Blank (B298331-BLK1)				Prepared: 01/05/22 Analyzed: 01/06/22						
2,4-Dimethylphenol	ND	5.0	µg/L							
Dimethylphthalate	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
2,4-Dinitrotoluene	ND	5.0	µg/L							
2,6-Dinitrotoluene	ND	5.0	µg/L							
Di-n-octylphthalate	ND	5.0	µg/L							
Fluoranthene	ND	2.5	µg/L							
Fluorene	ND	2.5	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Hexachlorobutadiene	ND	5.0	µg/L							
Hexachlorocyclopentadiene	ND	5.0	µg/L							V-05
Hexachloroethane	ND	5.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	2.5	µg/L							
Isophorone	ND	5.0	µg/L							
2-Methylnaphthalene	ND	2.5	µg/L							
2-Methylphenol	ND	5.0	µg/L							
3/4-Methylphenol	ND	5.0	µg/L							
Naphthalene	ND	2.5	µg/L							
2-Nitroaniline	ND	5.0	µg/L							
3-Nitroaniline	ND	5.0	µg/L							V-20
4-Nitroaniline	ND	5.0	µg/L							
Nitrobenzene	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	5.0	µg/L							
N-Nitrosodi-n-propylamine	ND	5.0	µg/L							
Pentachloronitrobenzene	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							V-05
Phenanthrene	ND	2.5	µg/L							
Phenol	ND	5.0	µg/L							
Pyrene	ND	2.5	µg/L							
Pyridine	ND	2.5	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.5	µg/L							
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
Surrogate: 2-Fluorophenol	*116*		µg/L	200		58.2	15-110			
Surrogate: Phenol-d6	*86.0*		µg/L	200		43.0	15-110			
Surrogate: Nitrobenzene-d5	*88.6*		µg/L	100		88.6	30-130			
Surrogate: 2-Fluorobiphenyl	*82.6*		µg/L	100		82.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*196*		µg/L	200		97.9	15-110			
Surrogate: p-Terphenyl-d14	*97.6*		µg/L	100		97.6	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 B298331 - SW-846 3510C											
LCS (B298331-BS1)				Prepared: 01/05/22 Analyzed: 01/06/22							
Acenaphthene	44.4	5.0	µg/L	50.0		88.8	40-140				
Acenaphthylene	46.4	5.0	µg/L	50.0		92.8	40-140				
Aniline	53.6	5.0	µg/L	50.0		107	40-140				†
Anthracene	46.2	5.0	µg/L	50.0		92.5	40-140				
Benzo(a)anthracene	44.5	5.0	µg/L	50.0		89.0	40-140				
Benzo(a)pyrene	48.0	5.0	µg/L	50.0		96.0	40-140				
Benzo(b)fluoranthene	45.4	5.0	µg/L	50.0		90.7	40-140				
Benzo(g,h,i)perylene	46.6	5.0	µg/L	50.0		93.1	40-140				
Benzo(k)fluoranthene	48.0	5.0	µg/L	50.0		96.0	40-140				
Bis(2-chloroethoxy)methane	42.6	10	µg/L	50.0		85.1	40-140				
Bis(2-chloroethyl)ether	42.1	10	µg/L	50.0		84.2	40-140				
Bis(2-chloroisopropyl)ether	50.2	10	µg/L	50.0		100	40-140				
Bis(2-Ethylhexyl)phthalate	44.9	10	µg/L	50.0		89.8	40-140				
4-Bromophenylphenylether	38.4	10	µg/L	50.0		76.7	40-140				
Butylbenzylphthalate	44.6	10	µg/L	50.0		89.2	40-140				
Carbazole	47.8	10	µg/L	50.0		95.6	40-140				
4-Chloroaniline	56.3	10	µg/L	50.0		113	40-140			V-34	†
4-Chloro-3-methylphenol	45.3	10	µg/L	50.0		90.6	30-130				
2-Chloronaphthalene	37.9	10	µg/L	50.0		75.8	40-140				
2-Chlorophenol	39.4	10	µg/L	50.0		78.7	30-130				
4-Chlorophenylphenylether	41.1	10	µg/L	50.0		82.2	40-140				
Chrysene	43.9	5.0	µg/L	50.0		87.7	40-140				
Dibenz(a,h)anthracene	47.6	5.0	µg/L	50.0		95.2	40-140				
Dibenzofuran	48.1	5.0	µg/L	50.0		96.2	40-140				
Di-n-butylphthalate	43.7	10	µg/L	50.0		87.5	40-140				
3,3-Dichlorobenzidine	54.3	10	µg/L	50.0		109	40-140				†
2,4-Dichlorophenol	41.1	10	µg/L	50.0		82.3	30-130				
Diethylphthalate	43.6	10	µg/L	50.0		87.3	40-140				
2,4-Dimethylphenol	42.3	10	µg/L	50.0		84.6	30-130				
Dimethylphthalate	43.0	10	µg/L	50.0		86.0	40-140				
4,6-Dinitro-2-methylphenol	41.7	10	µg/L	50.0		83.3	30-130				
2,4-Dinitrophenol	37.1	10	µg/L	50.0		74.2	30-130				
2,4-Dinitrotoluene	49.5	10	µg/L	50.0		99.0	40-140				
2,6-Dinitrotoluene	49.2	10	µg/L	50.0		98.4	40-140				
Di-n-octylphthalate	44.4	10	µg/L	50.0		88.9	40-140				
Fluoranthene	47.5	5.0	µg/L	50.0		95.0	40-140				
Fluorene	47.1	5.0	µg/L	50.0		94.2	40-140				
Hexachlorobenzene	42.8	10	µg/L	50.0		85.5	40-140				
Hexachlorobutadiene	34.5	10	µg/L	50.0		69.0	40-140				
Hexachlorocyclopentadiene	28.3	10	µg/L	50.0		56.7	30-140			V-05	
Hexachloroethane	35.4	10	µg/L	50.0		70.7	40-140				
Indeno(1,2,3-cd)pyrene	46.3	5.0	µg/L	50.0		92.6	40-140				
Isophorone	50.0	10	µg/L	50.0		100	40-140				
2-Methylnaphthalene	46.3	5.0	µg/L	50.0		92.7	40-140				
2-Methylphenol	42.5	10	µg/L	50.0		85.0	30-130				
3/4-Methylphenol	41.1	10	µg/L	50.0		82.2	30-130				
Naphthalene	41.6	5.0	µg/L	50.0		83.2	40-140				
2-Nitroaniline	55.5	10	µg/L	50.0		111	40-140				
3-Nitroaniline	57.3	10	µg/L	50.0		115	40-140			V-06	†
4-Nitroaniline	56.9	10	µg/L	50.0		114	40-140				
Nitrobenzene	45.3	10	µg/L	50.0		90.6	40-140				
2-Nitrophenol	41.2	10	µg/L	50.0		82.4	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 B298331 - SW-846 3510C											
LCS (B298331-BS1)				Prepared: 01/05/22 Analyzed: 01/06/22							
4-Nitrophenol	28.0	10	µg/L	50.0		56.0	10-130				
N-Nitrosodiphenylamine/Diphenylamine	45.2	10	µg/L	50.0		90.4	40-140				
N-Nitrosodi-n-propylamine	46.6	10	µg/L	50.0		93.2	40-140				
Pentachloronitrobenzene	43.8	10	µg/L	50.0		87.7	40-140				
Pentachlorophenol	34.8	10	µg/L	50.0		69.6	30-130			V-05	
Phenanthrene	46.2	5.0	µg/L	50.0		92.4	40-140				
Phenol	21.3	10	µg/L	50.0		42.7	20-130				
Pyrene	45.4	5.0	µg/L	50.0		90.8	40-140				
Pyridine	21.9	5.0	µg/L	50.0		43.8	10-140				†
1,2,4,5-Tetrachlorobenzene	38.7	10	µg/L	50.0		77.4	40-140				
1,2,4-Trichlorobenzene	37.2	5.0	µg/L	50.0		74.3	40-140				
2,4,5-Trichlorophenol	45.3	10	µg/L	50.0		90.6	30-130				
2,4,6-Trichlorophenol	41.2	10	µg/L	50.0		82.3	30-130				
Surrogate: 2-Fluorophenol	*120*		µg/L	200		60.0	15-110				
Surrogate: Phenol-d6	*91.4*		µg/L	200		45.7	15-110				
Surrogate: Nitrobenzene-d5	*88.9*		µg/L	100		88.9	30-130				
Surrogate: 2-Fluorobiphenyl	*89.0*		µg/L	100		89.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*197*		µg/L	200		98.3	15-110				
Surrogate: p-Terphenyl-d14	*95.0*		µg/L	100		95.0	30-130				
LCS Dup (B298331-BSD1)				Prepared: 01/05/22 Analyzed: 01/06/22							
Acenaphthene	44.4	5.0	µg/L	50.0		88.7	40-140	0.113	20		
Acenaphthylene	46.8	5.0	µg/L	50.0		93.6	40-140	0.859	20		
Aniline	53.2	5.0	µg/L	50.0		106	40-140	0.581	50		† ‡
Anthracene	47.4	5.0	µg/L	50.0		94.8	40-140	2.54	20		
Benzo(a)anthracene	45.7	5.0	µg/L	50.0		91.4	40-140	2.71	20		
Benzo(a)pyrene	49.0	5.0	µg/L	50.0		98.0	40-140	1.98	20		
Benzo(b)fluoranthene	46.0	5.0	µg/L	50.0		92.1	40-140	1.44	20		
Benzo(g,h,i)perylene	47.4	5.0	µg/L	50.0		94.8	40-140	1.79	20		
Benzo(k)fluoranthene	48.7	5.0	µg/L	50.0		97.3	40-140	1.41	20		
Bis(2-chloroethoxy)methane	43.0	10	µg/L	50.0		85.9	40-140	0.935	20		
Bis(2-chloroethyl)ether	43.3	10	µg/L	50.0		86.6	40-140	2.76	20		
Bis(2-chloroisopropyl)ether	52.0	10	µg/L	50.0		104	40-140	3.37	20		
Bis(2-Ethylhexyl)phthalate	44.8	10	µg/L	50.0		89.6	40-140	0.201	20		
4-Bromophenylphenylether	40.5	10	µg/L	50.0		80.9	40-140	5.30	20		
Butylbenzylphthalate	45.6	10	µg/L	50.0		91.3	40-140	2.35	20		
Carbazole	48.5	10	µg/L	50.0		96.9	40-140	1.41	20		
4-Chloroaniline	55.5	10	µg/L	50.0		111	40-140	1.45	20	V-34	†
4-Chloro-3-methylphenol	46.2	10	µg/L	50.0		92.5	30-130	2.03	20		
2-Chloronaphthalene	39.0	10	µg/L	50.0		78.1	40-140	2.91	20		
2-Chlorophenol	40.2	10	µg/L	50.0		80.4	30-130	2.09	20		
4-Chlorophenylphenylether	41.6	10	µg/L	50.0		83.3	40-140	1.28	20		
Chrysene	44.8	5.0	µg/L	50.0		89.7	40-140	2.16	20		
Dibenz(a,h)anthracene	48.3	5.0	µg/L	50.0		96.7	40-140	1.54	20		
Dibenzofuran	48.6	5.0	µg/L	50.0		97.2	40-140	1.03	20		
Di-n-butylphthalate	44.8	10	µg/L	50.0		89.7	40-140	2.53	20		
3,3-Dichlorobenzidine	55.2	10	µg/L	50.0		110	40-140	1.52	20		† ‡
2,4-Dichlorophenol	41.4	10	µg/L	50.0		82.9	30-130	0.751	20		
Diethylphthalate	44.1	10	µg/L	50.0		88.1	40-140	0.958	20		
2,4-Dimethylphenol	42.8	10	µg/L	50.0		85.7	30-130	1.24	20		
Dimethylphthalate	43.8	10	µg/L	50.0		87.5	40-140	1.78	50		
4,6-Dinitro-2-methylphenol	42.8	10	µg/L	50.0		85.5	30-130	2.58	50		

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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 B298331 - SW-846 3510C											
LCS Dup (B298331-BSD1)				Prepared: 01/05/22 Analyzed: 01/06/22							
2,4-Dinitrophenol	36.7	10	µg/L	50.0		73.4	30-130	1.08	50		
2,4-Dinitrotoluene	48.9	10	µg/L	50.0		97.9	40-140	1.10	20		
2,6-Dinitrotoluene	50.2	10	µg/L	50.0		100	40-140	2.09	20		
Di-n-octylphthalate	44.4	10	µg/L	50.0		88.9	40-140	0.0225	20		
Fluoranthene	48.0	5.0	µg/L	50.0		95.9	40-140	0.922	20		
Fluorene	47.0	5.0	µg/L	50.0		93.9	40-140	0.298	20		
Hexachlorobenzene	44.4	10	µg/L	50.0		88.8	40-140	3.74	20		
Hexachlorobutadiene	35.5	10	µg/L	50.0		71.1	40-140	3.03	20		
Hexachlorocyclopentadiene	29.2	10	µg/L	50.0		58.3	30-140	2.85	50	V-05	
Hexachloroethane	36.6	10	µg/L	50.0		73.2	40-140	3.45	50		
Indeno(1,2,3-cd)pyrene	47.0	5.0	µg/L	50.0		94.0	40-140	1.50	50		
Isophorone	51.0	10	µg/L	50.0		102	40-140	2.06	20		
2-Methylnaphthalene	47.0	5.0	µg/L	50.0		94.1	40-140	1.50	20		
2-Methylphenol	43.6	10	µg/L	50.0		87.1	30-130	2.51	20		
3/4-Methylphenol	42.0	10	µg/L	50.0		84.0	30-130	2.17	20		
Naphthalene	42.1	5.0	µg/L	50.0		84.2	40-140	1.15	20		
2-Nitroaniline	55.8	10	µg/L	50.0		112	40-140	0.539	20		
3-Nitroaniline	55.9	10	µg/L	50.0		112	40-140	2.35	20	V-06	†
4-Nitroaniline	55.2	10	µg/L	50.0		110	40-140	2.96	20		
Nitrobenzene	45.2	10	µg/L	50.0		90.5	40-140	0.155	20		
2-Nitrophenol	41.9	10	µg/L	50.0		83.8	30-130	1.68	20		
4-Nitrophenol	27.6	10	µg/L	50.0		55.2	10-130	1.40	50		‡
N-Nitrosodiphenylamine/Diphenylamine	47.2	10	µg/L	50.0		94.4	40-140	4.39	20		
N-Nitrosodi-n-propylamine	48.3	10	µg/L	50.0		96.6	40-140	3.60	20		
Pentachloronitrobenzene	44.5	10	µg/L	50.0		89.0	40-140	1.47	20		
Pentachlorophenol	35.5	10	µg/L	50.0		71.1	30-130	2.05	50	V-05	
Phenanthrene	47.0	5.0	µg/L	50.0		94.0	40-140	1.63	20		
Phenol	21.7	10	µg/L	50.0		43.5	20-130	1.86	20		
Pyrene	46.9	5.0	µg/L	50.0		93.8	40-140	3.32	20		
Pyridine	20.1	5.0	µg/L	50.0		40.1	10-140	8.72	50		†
1,2,4,5-Tetrachlorobenzene	39.2	10	µg/L	50.0		78.5	40-140	1.36	20		
1,2,4-Trichlorobenzene	38.2	5.0	µg/L	50.0		76.4	40-140	2.79	20		
2,4,5-Trichlorophenol	46.1	10	µg/L	50.0		92.2	30-130	1.75	20		
2,4,6-Trichlorophenol	42.2	10	µg/L	50.0		84.5	30-130	2.59	50		
Surrogate: 2-Fluorophenol	*120*		µg/L	200		59.9	15-110				
Surrogate: Phenol-d6	*92.8*		µg/L	200		46.4	15-110				
Surrogate: Nitrobenzene-d5	*88.3*		µg/L	100		88.3	30-130				
Surrogate: 2-Fluorobiphenyl	*89.9*		µg/L	100		89.9	30-130				
Surrogate: 2,4,6-Tribromophenol	*198*		µg/L	200		98.8	15-110				
Surrogate: p-Terphenyl-d14	*97.8*		µg/L	100		97.8	30-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B298261 - SW-846 3510C										
Blank (B298261-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Naphthalene-aliphatic fraction	ND	2.0	µg/L							
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*74.8*		µg/L	100		74.8	40-140			
Surrogate: o-Terphenyl (OTP)	*82.8*		µg/L	100		82.8	40-140			
Surrogate: 2-Bromonaphthalene	*99.3*		µg/L	100		99.3	40-140			
Surrogate: 2-Fluorobiphenyl	*105*		µg/L	100		105	40-140			
LCS (B298261-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
C9-C18 Aliphatics	486	100	µg/L	600		81.0	0-200			
C19-C36 Aliphatics	730	100	µg/L	800		91.2	0-200			
Unadjusted C11-C22 Aromatics	1510	100	µg/L	1700		88.6	0-200			
Acenaphthene	78.9	2.0	µg/L	100		78.9	40-140			
Anthracene	84.2	2.0	µg/L	100		84.2	40-140			
Fluoranthene	86.6	2.0	µg/L	100		86.6	40-140			
Fluorene	80.8	2.0	µg/L	100		80.8	40-140			
2-Methylnaphthalene	73.0	2.0	µg/L	100		73.0	40-140			
Naphthalene	65.5	2.0	µg/L	100		65.5	40-140			
Pyrene	88.1	2.0	µg/L	100		88.1	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*80.5*		µg/L	100		80.5	40-140			
Surrogate: o-Terphenyl (OTP)	*88.0*		µg/L	100		88.0	40-140			
Surrogate: 2-Bromonaphthalene	*103*		µg/L	100		103	40-140			
Surrogate: 2-Fluorobiphenyl	*108*		µg/L	100		108	40-140			
LCS Dup (B298261-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
C9-C18 Aliphatics	485	100	µg/L	600		80.8	0-200	0.215		
C19-C36 Aliphatics	712	100	µg/L	800		89.0	0-200	2.49		
Unadjusted C11-C22 Aromatics	1500	100	µg/L	1700		88.5	0-200	0.0974		
Acenaphthene	81.5	2.0	µg/L	100		81.5	40-140	3.28	25	
Anthracene	83.4	2.0	µg/L	100		83.4	40-140	0.962	25	
Fluoranthene	86.1	2.0	µg/L	100		86.1	40-140	0.590	25	
Fluorene	82.5	2.0	µg/L	100		82.5	40-140	2.09	25	
2-Methylnaphthalene	76.4	2.0	µg/L	100		76.4	40-140	4.55	25	
Naphthalene	69.4	2.0	µg/L	100		69.4	40-140	5.69	25	
Pyrene	87.5	2.0	µg/L	100		87.5	40-140	0.677	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*75.9*		µg/L	100		75.9	40-140			
Surrogate: o-Terphenyl (OTP)	*86.4*		µg/L	100		86.4	40-140			
Surrogate: 2-Bromonaphthalene	*102*		µg/L	100		102	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B298261 - SW-846 3510C										
LCS Dup (B298261-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Surrogate: 2-Fluorobiphenyl	*108*		µg/L	100		108	40-140			
Matrix Spike (B298261-MS1)		**Source: 21L1961-06**		Prepared: 01/04/22 Analyzed: 01/06/22						
C9-C18 Aliphatics	382	99	µg/L	594	ND	64.3	40-140			
C19-C36 Aliphatics	653	99	µg/L	792	ND	82.4	40-140			
Unadjusted C11-C22 Aromatics	1180	99	µg/L	1680	ND	70.1	40-140			
Acenaphthene	62.1	2.0	µg/L	99.0	ND	62.8	40-140			
Anthracene	65.8	2.0	µg/L	99.0	ND	66.5	40-140			
Fluoranthene	66.1	2.0	µg/L	99.0	ND	66.8	40-140			
Fluorene	63.5	2.0	µg/L	99.0	ND	64.2	40-140			
2-Methylnaphthalene	57.4	2.0	µg/L	99.0	ND	58.0	40-140			
Naphthalene	52.1	2.0	µg/L	99.0	ND	52.6	40-140			
Pyrene	67.0	2.0	µg/L	99.0	ND	67.7	40-140			
Surrogate: Chlorooctadecane (COD)	*65.9*		µg/L	99.0		66.6	40-140			
Surrogate: o-Terphenyl (OTP)	*66.8*		µg/L	99.0		67.5	40-140			
Surrogate: 2-Bromonaphthalene	*97.7*		µg/L	99.0		98.6	40-140			
Surrogate: 2-Fluorobiphenyl	*101*		µg/L	99.0		102	40-140			
Matrix Spike Dup (B298261-MSD1)		**Source: 21L1961-06**		Prepared: 01/04/22 Analyzed: 01/06/22						
C9-C18 Aliphatics	358	100	µg/L	600	ND	59.6	40-140	6.58	50	
C19-C36 Aliphatics	615	100	µg/L	800	ND	76.9	40-140	5.97	50	
Unadjusted C11-C22 Aromatics	1110	100	µg/L	1700	ND	65.1	40-140	6.50	50	
Acenaphthene	56.9	2.0	µg/L	100	ND	56.9	40-140	8.73	50	
Anthracene	62.1	2.0	µg/L	100	ND	62.1	40-140	5.74	50	
Fluoranthene	62.7	2.0	µg/L	100	ND	62.7	40-140	5.35	50	
Fluorene	58.9	2.0	µg/L	100	ND	58.9	40-140	7.60	50	
2-Methylnaphthalene	52.0	2.0	µg/L	100	ND	52.0	40-140	9.95	50	
Naphthalene	46.8	2.0	µg/L	100	ND	46.8	40-140	10.8	50	
Pyrene	63.5	2.0	µg/L	100	ND	63.5	40-140	5.42	50	
Surrogate: Chlorooctadecane (COD)	*61.9*		µg/L	100		61.9	40-140			
Surrogate: o-Terphenyl (OTP)	*62.7*		µg/L	100		62.7	40-140			
Surrogate: 2-Bromonaphthalene	*102*		µg/L	100		102	40-140			
Surrogate: 2-Fluorobiphenyl	*105*		µg/L	100		105	40-140			

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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 B298136 - SW-846 7470A Prep										
Blank (B298136-BLK1)				Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	ND	0.00010	mg/L							
LCS (B298136-BS1)				Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	0.00412	0.00010	mg/L	0.00402		102	80-120			
LCS Dup (B298136-BSD1)				Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	0.00425	0.00010	mg/L	0.00402		106	80-120	3.10	20	
Matrix Spike (B298136-MS1)	**Source: 21L1961-06**			Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	0.00411	0.00010	mg/L	0.00402	ND	102	75-125			
Matrix Spike Dup (B298136-MSD1)	**Source: 21L1961-06**			Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	0.00414	0.00010	mg/L	0.00402	ND	103	75-125	0.811	20	
Batch B298203 - SW-846 3005A										
Blank (B298203-BLK1)				Prepared: 01/03/22 Analyzed: 01/04/22						
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 (B298203-BS1)				Prepared: 01/03/22 Analyzed: 01/04/22						
Antimony	518	10	µg/L	500		104	80-120			
Arsenic	493	8.0	µg/L	500		98.6	80-120			
Barium	475	100	µg/L	500		95.0	80-120			
Beryllium	500	4.0	µg/L	500		99.9	80-120			
Cadmium	484	2.0	µg/L	500		96.8	80-120			
Chromium	499	10	µg/L	500		99.8	80-120			
Copper	948	10	µg/L	1000		94.8	80-120			
Lead	489	5.0	µg/L	500		97.9	80-120			
Nickel	472	50	µg/L	500		94.4	80-120			
Selenium	475	50	µg/L	500		94.9	80-120			
Silver	477	2.0	µg/L	500		95.4	80-120			
Thallium	495	2.0	µg/L	500		98.9	80-120			
Vanadium	497	50	µg/L	500		99.5	80-120			
Zinc	931	100	µg/L	1000		93.1	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 B298203 - SW-846 3005A											
LCS Dup (B298203-BSD1)				Prepared: 01/03/22 Analyzed: 01/04/22							
Antimony	517	10	µg/L	500		103		80-120	0.263	20	
Arsenic	490	8.0	µg/L	500		98.0		80-120	0.662	20	
Barium	484	100	µg/L	500		96.9		80-120	1.98	20	
Beryllium	500	4.0	µg/L	500		100		80-120	0.0448	20	
Cadmium	481	2.0	µg/L	500		96.3		80-120	0.497	20	
Chromium	499	10	µg/L	500		99.8		80-120	0.0602	20	
Copper	955	10	µg/L	1000		95.5		80-120	0.752	20	
Lead	492	5.0	µg/L	500		98.5		80-120	0.638	20	
Nickel	471	50	µg/L	500		94.3		80-120	0.0736	20	
Selenium	478	50	µg/L	500		95.6		80-120	0.760	20	
Silver	481	2.0	µg/L	500		96.2		80-120	0.873	20	
Thallium	500	2.0	µg/L	500		100		80-120	1.04	20	
Vanadium	510	50	µg/L	500		102		80-120	2.46	20	
Zinc	924	100	µg/L	1000		92.4		80-120	0.715	20	
Matrix Spike (B298203-MS1)	**Source: 21L1961-06**			Prepared: 01/03/22 Analyzed: 01/04/22							
Antimony	512	10	µg/L	500	ND	102		75-125			
Arsenic	480	8.0	µg/L	500	ND	96.1		75-125			
Barium	583	100	µg/L	500	419	**32.8**	*	75-125			MS-07A
Beryllium	511	4.0	µg/L	500	ND	102		75-125			
Cadmium	475	2.0	µg/L	500	ND	95.0		75-125			
Chromium	503	10	µg/L	500	ND	101		75-125			
Copper	951	10	µg/L	1000	3.47	94.8		75-125			
Lead	485	5.0	µg/L	500	ND	97.0		75-125			
Nickel	473	50	µg/L	500	ND	94.7		75-125			
Selenium	460	50	µg/L	500	ND	92.0		75-125			
Silver	462	2.0	µg/L	500	ND	92.4		75-125			
Thallium	490	2.0	µg/L	500	ND	98.0		75-125			
Vanadium	534	50	µg/L	500	ND	107		75-125			
Zinc	920	100	µg/L	1000	ND	92.0		75-125			
Matrix Spike Dup (B298203-MSD1)	**Source: 21L1961-06**			Prepared: 01/03/22 Analyzed: 01/04/22							
Antimony	515	10	µg/L	500	ND	103		75-125	0.501	20	
Arsenic	485	8.0	µg/L	500	ND	96.9		75-125	0.897	20	
Barium	589	100	µg/L	500	419	**34.1**	*	75-125	1.11	20	MS-07A
Beryllium	510	4.0	µg/L	500	ND	102		75-125	0.172	20	
Cadmium	475	2.0	µg/L	500	ND	95.1		75-125	0.0640	20	
Chromium	500	10	µg/L	500	ND	100		75-125	0.608	20	
Copper	948	10	µg/L	1000	3.47	94.4		75-125	0.367	20	
Lead	489	5.0	µg/L	500	ND	97.9		75-125	0.868	20	
Nickel	473	50	µg/L	500	ND	94.7		75-125	0.00230	20	
Selenium	463	50	µg/L	500	ND	92.6		75-125	0.686	20	
Silver	463	2.0	µg/L	500	ND	92.6		75-125	0.223	20	
Thallium	494	2.0	µg/L	500	ND	98.8		75-125	0.893	20	
Vanadium	510	50	µg/L	500	ND	102		75-125	4.59	20	
Zinc	940	100	µg/L	1000	ND	94.0		75-125	2.14	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high 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
MADEP EPH rev 2.1 in Soil	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Acenaphthylene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Benzo(a)anthracene	CT,NC,ME,NH-P
Benzo(a)pyrene	CT,NC,ME,NH-P
Benzo(b)fluoranthene	CT,NC,ME,NH-P
Benzo(g,h,i)perylene	CT,NC,ME,NH-P
Benzo(k)fluoranthene	CT,NC,ME,NH-P
Chrysene	CT,NC,ME,NH-P
Dibenz(a,h)anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
Indeno(1,2,3-cd)pyrene	CT,NC,ME,NH-P
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Phenanthrene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
MADEP EPH rev 2.1 in Water	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Acenaphthylene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Benzo(a)anthracene	CT,NC,ME,NH-P
Benzo(a)pyrene	CT,NC,ME,NH-P
Benzo(b)fluoranthene	CT,NC,ME,NH-P
Benzo(g,h,i)perylene	CT,NC,ME,NH-P
Benzo(k)fluoranthene	CT,NC,ME,NH-P
Chrysene	CT,NC,ME,NH-P
Dibenz(a,h)anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
Indeno(1,2,3-cd)pyrene	CT,NC,ME,NH-P
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Phenanthrene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
SW-846 6020B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6020B in Water	
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 8260D in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8260D in Water	
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 8270E in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8270E in Soil	
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8270E in Soil	
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270E in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH



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

21L1961

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

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name: APEX COMPANIES
Address: 58 H CONNECTICUT AVE SOUTH WINDSOR, CT
Phone: 860-282-1700
Project Name: EVERSOURCE
Project Location: WETHERSFIELD, CT
Project Number: 6089-015 2021
Project Manager: DON WILSON
Pace Quote Name/Number:
Invoice Recipient: APEX
Sampled By: J. STANLEWICZ

Requested Turnaround Time: ~~7-Day~~ 5 DAY ☒ | 10-Day ☐ | PFAS 10-Day (std) ☐ | Due Date:
Rush Approval Required: 1-Day ☐ | 2-Day ☐ | 3-Day ☐ | 4-Day ☐
Data Delivery: Format: PDF ☒ EXCEL ☐ | Other: | CLP Like Data Pkg Required: ☐ | Email To: DWILSON@APEXCOS.COM | Fax To #:
Dissolved Metals Sample: ☒ Field Filtered | ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered | ○ Lab to Filter
PCB ONLY: SOXHLET ☐ | NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	N TOTAL RSR METALS+HEXAVALENT	N DISSOLVED CT RSR METALS	H 8260	H SVOC'S (SIMS FOR PAHS)	H EPH
1	AP-12R	12/28/21	0830	G	GW	U	3	4	2			✓		✓	✓	✓
2	AP-6R	↓	1140	G	GW	U	3	4	2			✓		✓	✓	✓
3	AP-11R	↓	1340	G	GW	U	3	4	2			✓		✓	✓	✓
4	AP-3R	12/29/21	1000	G	GW	U	3	4	2			✓		✓	✓	✓
5	DUP	↓	—	G	GW	U	3	4	2			✓		✓	✓	✓
6	AP-15R-BR	↓	1330	G	GW	U	3	4	2			✓		✓	✓	✓
	MS	↓	1330	G	GW	U	3	4	2			✓		✓	✓	✓
	MSD	↓	1330	G	GW	U	3	4	2			✓		✓	✓	✓
7	TB	↓	—	G	O	C	2							✓		

Relinquished by: (signature) Joseph Stanlewicz Date/Time: 12/29/21 1535
Received by: (signature) Date/Time:

Client Comments: HOLD DISSOLVED CT RSR METALS
BIS(2-ETHYLHEXYL) PHTHALATE NEEDS TO BE BELOW 2 ug/L

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:

Detection Limit Requirements
MA
CT RSR GA, RVC, I/C VC
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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

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

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

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

[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)

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

Received By CA Date 12/29/21 Time 1535

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

Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 2.0

By Blank # ____ Actual Temp - ____

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

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

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

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

Did COC include all pertinent Information? Client T 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? T

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

Were trip blanks received? T On COC? T

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	22	1 Liter Plastic		16 oz Amb.	
HCL-	26	500 mL Amb.		500 mL Plastic	16	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: Wethersfield, CT

Project Number: 21L1961

Laboratory Sample ID(s):

21L1961-01 thru 21L1961-07

Sample Date(s):

12/28/2021,
12/29/2021

List RCP Methods Used:

MADEP EPH rev 2.1, SW-846 6020B, SW-846 7470A, SW-846 8260D, SW-846 8270E

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

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

Lisa A. Worthington

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

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

Printed Name: **Lisa A. Worthington** **Date:** **01/07/22**

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

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

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January 6, 2022

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

Project Location: Wethersfield, CT
Client Job Number:
Project Number: 6089-015
Laboratory Work Order Number: 21L1962

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

Sincerely,



Matthew J Beaupre
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: 1/6/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6089-015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21L1962

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

PROJECT LOCATION: Wethersfield, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AP-3R FILTERED	21L1962-01	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8270E	
AP-15R-BR FILTERED	21L1962-02	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

SW-846 8270E

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:

2,4-Dinitrophenol
21L1962-01[AP-3R FILTERED], 21L1962-02[AP-15R-BR FILTERED], B298259-BLK1, B298259-BS1, B298259-BSD1, S067098-CCV1, S067135-CCV1

Hexachlorocyclopentadiene
21L1962-01[AP-3R FILTERED], 21L1962-02[AP-15R-BR FILTERED], B298259-BLK1, B298259-BS1, B298259-BSD1, S067098-CCV1, S067135-CCV1

Pentachlorophenol
21L1962-01[AP-3R FILTERED], 21L1962-02[AP-15R-BR FILTERED], B298259-BLK1, B298259-BS1, B298259-BSD1, S067098-CCV1, S067135-CCV1

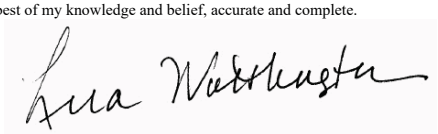
V-34

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:

4-Chloroaniline
21L1962-01[AP-3R FILTERED], 21L1962-02[AP-15R-BR FILTERED], B298259-BLK1, B298259-BS1, B298259-BSD1, S067098-CCV1, S067135-CCV1

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



Lisa A. Worthington
Technical Representative

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1962
Date Received: 12/29/2021
Field Sample #: AP-3R FILTERED
Sampled: 12/28/2021 10:00
Sample ID: 21L1962-01
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	0.30	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Aniline	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	1/4/22	1/5/22 15:17	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1962

Date Received: 12/29/2021

Field Sample #: AP-3R FILTERED | Sampled: 12/28/2021 10:00

Sample ID: 21L1962-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Pentachlorophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:28	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:17	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	48.1	15-110		1/5/22 15:17
Phenol-d6	36.2	15-110		1/5/22 15:17
Nitrobenzene-d5	79.1	30-130		1/5/22 15:17
Nitrobenzene-d5	70.5	30-130		1/5/22 16:28
2-Fluorobiphenyl	84.1	30-130		1/5/22 15:17
2-Fluorobiphenyl	63.7	30-130		1/5/22 16:28
2,4,6-Tribromophenol	87.0	15-110		1/5/22 15:17
p-Terphenyl-d14	96.7	30-130		1/5/22 15:17
p-Terphenyl-d14	92.8	30-130		1/5/22 16:28

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1962
Date Received: 12/29/2021
Field Sample #: AP-3R FILTERED
Sampled: 12/28/2021 10:00
Sample ID: 21L1962-01
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Arsenic	ND	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Barium	140	10		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Cadmium	0.064	0.20	0.027	µg/L	1	J	SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Chromium	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Copper	2.6	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:45	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH
Zinc	17	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:39	MJH

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1962

Date Received: 12/29/2021

Field Sample #: AP-15R-BR FILTERED | Sampled: 12/28/2021 13:30

Sample ID: 21L1962-02

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 8270E	1/4/22	1/5/22 16:56	IMR
Acenaphthylene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Aniline	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
4-Chloroaniline	ND	10	µg/L	1	V-34	SW-846 8270E	1/4/22	1/5/22 15:42	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Isophorone	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL

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Project Location: Wethersfield, CT | Sample Description: | Work Order: 21L1962

Date Received: 12/29/2021

Field Sample #: AP-15R-BR FILTERED | Sampled: 12/28/2021 13:30

Sample ID: 21L1962-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
2-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Pentachloronitrobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Pentachlorophenol	ND	10	µg/L	1	V-05	SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Phenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 16:56	IMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270E	1/4/22	1/5/22 15:42	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	38.7	15-110		1/5/22 15:42
Phenol-d6	29.6	15-110		1/5/22 15:42
Nitrobenzene-d5	63.8	30-130		1/5/22 15:42
Nitrobenzene-d5	60.8	30-130		1/5/22 16:56
2-Fluorobiphenyl	58.4	30-130		1/5/22 16:56
2-Fluorobiphenyl	71.0	30-130		1/5/22 15:42
2,4,6-Tribromophenol	79.6	15-110		1/5/22 15:42
p-Terphenyl-d14	88.8	30-130		1/5/22 15:42
p-Terphenyl-d14	90.6	30-130		1/5/22 16:56

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Project Location: Wethersfield, CT
Sample Description:
Work Order: 21L1962

Date Received: 12/29/2021

Field Sample #: AP-15R-BR FILTERED
Sampled: 12/28/2021 13:30

Sample ID: 21L1962-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Arsenic	3.9	0.80		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Barium	490	10		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Beryllium	ND	0.40		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Cadmium	0.028	0.20	0.027	µg/L	1	J	SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Chromium	1.2	1.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Copper	3.2	1.0	0.27	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Lead	ND	0.50		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	12/31/21	1/4/22 11:47	ICP
Nickel	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Selenium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Silver	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Thallium	ND	0.20		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Vanadium	ND	5.0		µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	MJH
Zinc	26	10	3.4	µg/L	1		SW-846 6020B	1/3/22	1/4/22 17:42	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
21L1962-01 [AP-3R FILTERED]	B298203	50.0	50.0	01/03/22
21L1962-02 [AP-15R-BR FILTERED]	B298203	50.0	50.0	01/03/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1962-01 [AP-3R FILTERED]	B298136	10.0	10.0	12/31/21
21L1962-02 [AP-15R-BR FILTERED]	B298136	10.0	10.0	12/31/21

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1962-01 [AP-3R FILTERED]	B298259	1000	1.00	01/04/22
21L1962-02 [AP-15R-BR FILTERED]	B298259	1000	1.00	01/04/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21L1962-01 [AP-3R FILTERED]	B298328	1000	1.00	01/04/22
21L1962-02 [AP-15R-BR FILTERED]	B298328	1000	1.00	01/04/22

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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 B298259 - SW-846 3510C										
Blank (B298259-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Aniline	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							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

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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 B298259 - SW-846 3510C											
Blank (B298259-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22							
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L							V-05	
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*128*		µg/L	200		64.2	15-110				
Surrogate: Phenol-d6	*94.0*		µg/L	200		47.0	15-110				
Surrogate: Nitrobenzene-d5	*96.4*		µg/L	100		96.4	30-130				
Surrogate: 2-Fluorobiphenyl	*98.7*		µg/L	100		98.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*199*		µg/L	200		99.4	15-110				
Surrogate: p-Terphenyl-d14	*110*		µg/L	100		110	30-130				
LCS (B298259-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22							
Acenaphthene	40.2	5.0	µg/L	50.0		80.3	40-140				
Acenaphthylene	42.1	5.0	µg/L	50.0		84.2	40-140				
Aniline	47.0	5.0	µg/L	50.0		94.1	40-140				†
Anthracene	41.8	5.0	µg/L	50.0		83.6	40-140				
Benzo(a)anthracene	40.6	5.0	µg/L	50.0		81.2	40-140				
Benzo(a)pyrene	42.7	5.0	µg/L	50.0		85.3	40-140				
Benzo(b)fluoranthene	43.6	5.0	µg/L	50.0		87.3	40-140				
Benzo(g,h,i)perylene	42.8	5.0	µg/L	50.0		85.6	40-140				
Benzo(k)fluoranthene	46.6	5.0	µg/L	50.0		93.2	40-140				
Bis(2-chloroethoxy)methane	42.5	10	µg/L	50.0		85.0	40-140				
Bis(2-chloroethyl)ether	42.7	10	µg/L	50.0		85.3	40-140				
Bis(2-chloroisopropyl)ether	53.2	10	µg/L	50.0		106	40-140				
Bis(2-Ethylhexyl)phthalate	42.7	10	µg/L	50.0		85.5	40-140				
4-Bromophenylphenylether	37.3	10	µg/L	50.0		74.6	40-140				
Butylbenzylphthalate	42.5	10	µg/L	50.0		85.0	40-140				
Carbazole	42.1	10	µg/L	50.0		84.2	40-140				
4-Chloroaniline	49.0	10	µg/L	50.0		98.1	40-140			V-34	†
4-Chloro-3-methylphenol	40.6	10	µg/L	50.0		81.3	30-130				
2-Chloronaphthalene	36.8	10	µg/L	50.0		73.6	40-140				
2-Chlorophenol	37.4	10	µg/L	50.0		74.8	30-130				
4-Chlorophenylphenylether	37.7	10	µg/L	50.0		75.4	40-140				
Chrysene	40.0	5.0	µg/L	50.0		80.1	40-140				
Dibenz(a,h)anthracene	43.6	5.0	µg/L	50.0		87.2	40-140				
Dibenzofuran	43.4	5.0	µg/L	50.0		86.8	40-140				
Di-n-butylphthalate	41.3	10	µg/L	50.0		82.6	40-140				
3,3-Dichlorobenzidine	47.1	10	µg/L	50.0		94.2	40-140				†
2,4-Dichlorophenol	38.6	10	µg/L	50.0		77.1	30-130				
Diethylphthalate	40.1	10	µg/L	50.0		80.2	40-140				
2,4-Dimethylphenol	38.5	10	µg/L	50.0		76.9	30-130				
Dimethylphthalate	40.2	10	µg/L	50.0		80.5	40-140				
4,6-Dinitro-2-methylphenol	36.3	10	µg/L	50.0		72.6	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 B298259 - SW-846 3510C										
LCS (B298259-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
2,4-Dinitrophenol	29.8	10	µg/L	50.0		59.6	30-130			V-05
2,4-Dinitrotoluene	42.4	10	µg/L	50.0		84.7	40-140			
2,6-Dinitrotoluene	44.6	10	µg/L	50.0		89.2	40-140			
Di-n-octylphthalate	54.1	10	µg/L	50.0		108	40-140			
Fluoranthene	41.6	5.0	µg/L	50.0		83.3	40-140			
Fluorene	41.8	5.0	µg/L	50.0		83.6	40-140			
Hexachlorobenzene	39.8	10	µg/L	50.0		79.5	40-140			
Hexachlorobutadiene	37.3	10	µg/L	50.0		74.6	40-140			
Hexachlorocyclopentadiene	20.2	10	µg/L	50.0		40.3	30-140			V-05
Hexachloroethane	37.2	10	µg/L	50.0		74.4	40-140			
Indeno(1,2,3-cd)pyrene	41.5	5.0	µg/L	50.0		83.0	40-140			
Isophorone	49.0	10	µg/L	50.0		98.0	40-140			
2-Methylnaphthalene	43.9	5.0	µg/L	50.0		87.9	40-140			
2-Methylphenol	39.5	10	µg/L	50.0		79.0	30-130			
3/4-Methylphenol	37.8	10	µg/L	50.0		75.5	30-130			
Naphthalene	40.2	5.0	µg/L	50.0		80.4	40-140			
2-Nitroaniline	49.6	10	µg/L	50.0		99.2	40-140			
3-Nitroaniline	47.9	10	µg/L	50.0		95.8	40-140			†
4-Nitroaniline	45.6	10	µg/L	50.0		91.3	40-140			
Nitrobenzene	43.1	10	µg/L	50.0		86.3	40-140			
2-Nitrophenol	39.3	10	µg/L	50.0		78.6	30-130			
4-Nitrophenol	23.7	10	µg/L	50.0		47.4	10-130			
N-Nitrosodiphenylamine/Diphenylamine	42.3	10	µg/L	50.0		84.6	40-140			
N-Nitrosodi-n-propylamine	45.6	10	µg/L	50.0		91.3	40-140			
Pentachloronitrobenzene	40.3	10	µg/L	50.0		80.6	40-140			
Pentachlorophenol	30.5	10	µg/L	50.0		61.0	30-130			V-05
Phenanthrene	41.8	5.0	µg/L	50.0		83.6	40-140			
Phenol	19.6	10	µg/L	50.0		39.2	20-130			
Pyrene	43.2	5.0	µg/L	50.0		86.4	40-140			
Pyridine	17.2	5.0	µg/L	50.0		34.5	10-140			†
1,2,4,5-Tetrachlorobenzene	37.5	10	µg/L	50.0		75.1	40-140			
1,2,4-Trichlorobenzene	37.6	5.0	µg/L	50.0		75.1	40-140			
2,4,5-Trichlorophenol	41.4	10	µg/L	50.0		82.9	30-130			
2,4,6-Trichlorophenol	38.2	10	µg/L	50.0		76.5	30-130			
Surrogate: 2-Fluorophenol	*115*		µg/L	200		57.4	15-110			
Surrogate: Phenol-d6	*86.0*		µg/L	200		43.0	15-110			
Surrogate: Nitrobenzene-d5	*85.7*		µg/L	100		85.7	30-130			
Surrogate: 2-Fluorobiphenyl	*85.9*		µg/L	100		85.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*171*		µg/L	200		85.4	15-110			
Surrogate: p-Terphenyl-d14	*91.3*		µg/L	100		91.3	30-130			
LCS Dup (B298259-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene	40.2	5.0	µg/L	50.0		80.5	40-140	0.174	20	
Acenaphthylene	42.4	5.0	µg/L	50.0		84.7	40-140	0.663	20	
Aniline	44.8	5.0	µg/L	50.0		89.6	40-140	4.88	50	† ‡
Anthracene	42.1	5.0	µg/L	50.0		84.2	40-140	0.667	20	
Benzo(a)anthracene	41.4	5.0	µg/L	50.0		82.9	40-140	2.05	20	
Benzo(a)pyrene	44.1	5.0	µg/L	50.0		88.3	40-140	3.41	20	
Benzo(b)fluoranthene	45.4	5.0	µg/L	50.0		90.8	40-140	3.98	20	
Benzo(g,h,i)perylene	41.6	5.0	µg/L	50.0		83.2	40-140	2.77	20	
Benzo(k)fluoranthene	47.2	5.0	µg/L	50.0		94.5	40-140	1.43	20	
Bis(2-chloroethoxy)methane	41.8	10	µg/L	50.0		83.6	40-140	1.59	20	

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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 B298259 - SW-846 3510C											
LCS Dup (B298259-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22							
Bis(2-chloroethyl)ether	41.3	10	µg/L	50.0		82.6	40-140	3.26	20		
Bis(2-chloroisopropyl)ether	50.6	10	µg/L	50.0		101	40-140	4.95	20		
Bis(2-Ethylhexyl)phthalate	44.0	10	µg/L	50.0		88.0	40-140	2.88	20		
4-Bromophenylphenylether	37.4	10	µg/L	50.0		74.9	40-140	0.348	20		
Butylbenzylphthalate	43.7	10	µg/L	50.0		87.4	40-140	2.74	20		
Carbazole	43.0	10	µg/L	50.0		85.9	40-140	2.00	20		
4-Chloroaniline	48.9	10	µg/L	50.0		97.9	40-140	0.204	20	V-34	†
4-Chloro-3-methylphenol	39.6	10	µg/L	50.0		79.2	30-130	2.62	20		
2-Chloronaphthalene	36.7	10	µg/L	50.0		73.4	40-140	0.163	20		
2-Chlorophenol	36.0	10	µg/L	50.0		72.0	30-130	3.82	20		
4-Chlorophenylphenylether	37.8	10	µg/L	50.0		75.5	40-140	0.132	20		
Chrysene	40.6	5.0	µg/L	50.0		81.1	40-140	1.27	20		
Dibenz(a,h)anthracene	42.3	5.0	µg/L	50.0		84.6	40-140	3.03	20		
Dibenzofuran	43.6	5.0	µg/L	50.0		87.3	40-140	0.551	20		
Di-n-butylphthalate	42.2	10	µg/L	50.0		84.5	40-140	2.20	20		
3,3-Dichlorobenzidine	48.4	10	µg/L	50.0		96.8	40-140	2.74	20		† ‡
2,4-Dichlorophenol	36.9	10	µg/L	50.0		73.8	30-130	4.43	20		
Diethylphthalate	40.6	10	µg/L	50.0		81.3	40-140	1.39	20		
2,4-Dimethylphenol	35.7	10	µg/L	50.0		71.4	30-130	7.42	20		
Dimethylphthalate	40.2	10	µg/L	50.0		80.5	40-140	0.0248	50		
4,6-Dinitro-2-methylphenol	36.4	10	µg/L	50.0		72.9	30-130	0.330	50		
2,4-Dinitrophenol	29.4	10	µg/L	50.0		58.7	30-130	1.45	50	V-05	
2,4-Dinitrotoluene	42.4	10	µg/L	50.0		84.8	40-140	0.0708	20		
2,6-Dinitrotoluene	44.6	10	µg/L	50.0		89.1	40-140	0.0449	20		
Di-n-octylphthalate	54.6	10	µg/L	50.0		109	40-140	0.847	20		
Fluoranthene	42.6	5.0	µg/L	50.0		85.1	40-140	2.23	20		
Fluorene	41.6	5.0	µg/L	50.0		83.3	40-140	0.431	20		
Hexachlorobenzene	40.3	10	µg/L	50.0		80.7	40-140	1.47	20		
Hexachlorobutadiene	36.1	10	µg/L	50.0		72.1	40-140	3.41	20		
Hexachlorocyclopentadiene	22.8	10	µg/L	50.0		45.5	30-140	12.2	50	V-05	
Hexachloroethane	36.0	10	µg/L	50.0		72.0	40-140	3.31	50		
Indeno(1,2,3-cd)pyrene	40.4	5.0	µg/L	50.0		80.8	40-140	2.76	50		
Isophorone	47.2	10	µg/L	50.0		94.4	40-140	3.78	20		
2-Methylnaphthalene	43.2	5.0	µg/L	50.0		86.4	40-140	1.70	20		
2-Methylphenol	37.4	10	µg/L	50.0		74.8	30-130	5.44	20		
3/4-Methylphenol	36.0	10	µg/L	50.0		71.9	30-130	4.86	20		
Naphthalene	39.4	5.0	µg/L	50.0		78.8	40-140	2.01	20		
2-Nitroaniline	49.7	10	µg/L	50.0		99.4	40-140	0.201	20		
3-Nitroaniline	48.4	10	µg/L	50.0		96.8	40-140	1.06	20		†
4-Nitroaniline	45.8	10	µg/L	50.0		91.6	40-140	0.372	20		
Nitrobenzene	42.5	10	µg/L	50.0		85.1	40-140	1.40	20		
2-Nitrophenol	38.6	10	µg/L	50.0		77.2	30-130	1.82	20		
4-Nitrophenol	22.7	10	µg/L	50.0		45.3	10-130	4.44	50		‡
N-Nitrosodiphenylamine/Diphenylamine	42.8	10	µg/L	50.0		85.5	40-140	1.08	20		
N-Nitrosodi-n-propylamine	43.0	10	µg/L	50.0		85.9	40-140	6.05	20		
Pentachloronitrobenzene	41.0	10	µg/L	50.0		82.0	40-140	1.65	20		
Pentachlorophenol	30.6	10	µg/L	50.0		61.2	30-130	0.262	50	V-05	
Phenanthrene	42.3	5.0	µg/L	50.0		84.6	40-140	1.14	20		
Phenol	18.6	10	µg/L	50.0		37.3	20-130	4.92	20		
Pyrene	43.9	5.0	µg/L	50.0		87.7	40-140	1.52	20		
Pyridine	14.4	5.0	µg/L	50.0		28.8	10-140	18.0	50		†
1,2,4,5-Tetrachlorobenzene	38.1	10	µg/L	50.0		76.2	40-140	1.48	20		

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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 B298259 - SW-846 3510C										
LCS Dup (B298259-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
1,2,4-Trichlorobenzene	36.6	5.0	µg/L	50.0		73.3	40-140	2.53	20	
2,4,5-Trichlorophenol	42.2	10	µg/L	50.0		84.5	30-130	1.89	20	
2,4,6-Trichlorophenol	38.4	10	µg/L	50.0		76.8	30-130	0.444	50	
Surrogate: 2-Fluorophenol	*109*		µg/L	200		54.6	15-110			
Surrogate: Phenol-d6	*80.3*		µg/L	200		40.2	15-110			
Surrogate: Nitrobenzene-d5	*82.9*		µg/L	100		82.9	30-130			
Surrogate: 2-Fluorobiphenyl	*86.4*		µg/L	100		86.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*166*		µg/L	200		83.0	15-110			
Surrogate: p-Terphenyl-d14	*91.6*		µg/L	100		91.6	30-130			
Batch B298328 - SW-846 3510C										
Blank (B298328-BLK1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.20	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Bis(2-ethylhexyl)phthalate (SIM)	ND	1.0	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.10	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.10	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*79.2*		µg/L	100		79.2	30-130			
Surrogate: 2-Fluorobiphenyl	*68.9*		µg/L	100		68.9	30-130			
Surrogate: p-Terphenyl-d14	*98.7*		µg/L	100		98.7	30-130			
LCS (B298328-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	33.3	6.0	µg/L	50.0		66.6	40-140			
Acenaphthylene (SIM)	35.8	4.0	µg/L	50.0		71.7	40-140			
Anthracene (SIM)	35.5	4.0	µg/L	50.0		70.9	40-140			
Benzo(a)anthracene (SIM)	35.6	1.0	µg/L	50.0		71.3	40-140			
Benzo(a)pyrene (SIM)	37.8	2.0	µg/L	50.0		75.7	40-140			
Benzo(b)fluoranthene (SIM)	39.2	1.0	µg/L	50.0		78.5	40-140			
Benzo(g,h,i)perylene (SIM)	36.7	10	µg/L	50.0		73.5	40-140			
Benzo(k)fluoranthene (SIM)	39.4	4.0	µg/L	50.0		78.9	40-140			
Bis(2-ethylhexyl)phthalate (SIM)	36.8	20	µg/L	50.0		73.7	40-140			
Chrysene (SIM)	34.4	4.0	µg/L	50.0		68.8	40-140			
Dibenz(a,h)anthracene (SIM)	35.8	2.0	µg/L	50.0		71.5	40-140			
Fluoranthene (SIM)	35.2	10	µg/L	50.0		70.5	40-140			
Fluorene (SIM)	35.7	20	µg/L	50.0		71.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	35.3	2.0	µg/L	50.0		70.7	40-140			
2-Methylnaphthalene (SIM)	36.1	20	µg/L	50.0		72.2	40-140			
Naphthalene (SIM)	32.9	20	µg/L	50.0		65.8	40-140			
Phenanthrene (SIM)	34.0	1.0	µg/L	50.0		68.0	40-140			

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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 B298328 - SW-846 3510C										
LCS (B298328-BS1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Pyrene (SIM)	33.3	20	µg/L	50.0		66.6	40-140			
Surrogate: Nitrobenzene-d5	*70.5*		µg/L	100		70.5	30-130			
Surrogate: 2-Fluorobiphenyl	*72.8*		µg/L	100		72.8	30-130			
Surrogate: p-Terphenyl-d14	*95.3*		µg/L	100		95.3	30-130			
LCS Dup (B298328-BSD1)				Prepared: 01/04/22 Analyzed: 01/05/22						
Acenaphthene (SIM)	36.5	6.0	µg/L	50.0		73.0	40-140	9.22	20	
Acenaphthylene (SIM)	39.3	4.0	µg/L	50.0		78.7	40-140	9.31	20	
Anthracene (SIM)	39.4	4.0	µg/L	50.0		78.7	40-140	10.4	20	
Benzo(a)anthracene (SIM)	39.6	1.0	µg/L	50.0		79.2	40-140	10.5	20	
Benzo(a)pyrene (SIM)	42.6	2.0	µg/L	50.0		85.2	40-140	11.8	20	
Benzo(b)fluoranthene (SIM)	43.7	1.0	µg/L	50.0		87.5	40-140	10.8	20	
Benzo(g,h,i)perylene (SIM)	41.4	10	µg/L	50.0		82.7	40-140	11.8	20	
Benzo(k)fluoranthene (SIM)	44.4	4.0	µg/L	50.0		88.8	40-140	11.8	20	
Bis(2-ethylhexyl)phthalate (SIM)	41.1	20	µg/L	50.0		82.2	40-140	10.9	20	
Chrysene (SIM)	38.1	4.0	µg/L	50.0		76.1	40-140	10.1	20	
Dibenz(a,h)anthracene (SIM)	40.5	2.0	µg/L	50.0		81.1	40-140	12.5	20	
Fluoranthene (SIM)	39.4	10	µg/L	50.0		78.8	40-140	11.1	20	
Fluorene (SIM)	39.1	20	µg/L	50.0		78.1	40-140	8.93	20	
Indeno(1,2,3-cd)pyrene (SIM)	40.0	2.0	µg/L	50.0		80.0	40-140	12.3	20	
2-Methylnaphthalene (SIM)	39.5	20	µg/L	50.0		79.0	40-140	9.00	20	
Naphthalene (SIM)	36.1	20	µg/L	50.0		72.2	40-140	9.28	20	
Phenanthrene (SIM)	38.1	1.0	µg/L	50.0		76.2	40-140	11.3	20	
Pyrene (SIM)	36.9	20	µg/L	50.0		73.8	40-140	10.3	20	
Surrogate: Nitrobenzene-d5	*74.5*		µg/L	100		74.5	30-130			
Surrogate: 2-Fluorobiphenyl	*79.9*		µg/L	100		79.9	30-130			
Surrogate: p-Terphenyl-d14	*104*		µg/L	100		104	30-130			

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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 B298136 - SW-846 7470A Prep										
Blank (B298136-BLK1)				Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	ND	0.00010	mg/L							
LCS (B298136-BS1)				Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	0.00412	0.00010	mg/L	0.00402		102	80-120			
LCS Dup (B298136-BSD1)				Prepared: 12/31/21 Analyzed: 01/04/22						
Mercury	0.00425	0.00010	mg/L	0.00402		106	80-120	3.10	20	
Batch B298203 - SW-846 3005A										
Blank (B298203-BLK1)				Prepared: 01/03/22 Analyzed: 01/04/22						
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 (B298203-BS1)				Prepared: 01/03/22 Analyzed: 01/04/22						
Antimony	518	10	µg/L	500		104	80-120			
Arsenic	493	8.0	µg/L	500		98.6	80-120			
Barium	475	100	µg/L	500		95.0	80-120			
Beryllium	500	4.0	µg/L	500		99.9	80-120			
Cadmium	484	2.0	µg/L	500		96.8	80-120			
Chromium	499	10	µg/L	500		99.8	80-120			
Copper	948	10	µg/L	1000		94.8	80-120			
Lead	489	5.0	µg/L	500		97.9	80-120			
Nickel	472	50	µg/L	500		94.4	80-120			
Selenium	475	50	µg/L	500		94.9	80-120			
Silver	477	2.0	µg/L	500		95.4	80-120			
Thallium	495	2.0	µg/L	500		98.9	80-120			
Vanadium	497	50	µg/L	500		99.5	80-120			
Zinc	931	100	µg/L	1000		93.1	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 B298203 - SW-846 3005A										
LCS Dup (B298203-BSD1)				Prepared: 01/03/22 Analyzed: 01/04/22						
Antimony	517	10	µg/L	500		103	80-120	0.263	20	
Arsenic	490	8.0	µg/L	500		98.0	80-120	0.662	20	
Barium	484	100	µg/L	500		96.9	80-120	1.98	20	
Beryllium	500	4.0	µg/L	500		100	80-120	0.0448	20	
Cadmium	481	2.0	µg/L	500		96.3	80-120	0.497	20	
Chromium	499	10	µg/L	500		99.8	80-120	0.0602	20	
Copper	955	10	µg/L	1000		95.5	80-120	0.752	20	
Lead	492	5.0	µg/L	500		98.5	80-120	0.638	20	
Nickel	471	50	µg/L	500		94.3	80-120	0.0736	20	
Selenium	478	50	µg/L	500		95.6	80-120	0.760	20	
Silver	481	2.0	µg/L	500		96.2	80-120	0.873	20	
Thallium	500	2.0	µg/L	500		100	80-120	1.04	20	
Vanadium	510	50	µg/L	500		102	80-120	2.46	20	
Zinc	924	100	µg/L	1000		92.4	80-120	0.715	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side 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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A Pace Analytical® Laboratory

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 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 8270E in Soil	
Aniline	NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270E in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

21L1962

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

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name: APEX COMPANIES
Address: 58 H CONNECTICUT AVE SOUTH WINDSOR, CT
Phone: 860-282-1700
Project Name: EVERSOURCE
Project Location: WETHERSFIELD, CT
Project Number: 6089-015 2021
Project Manager: DON WILSON
Pace Quote Name/Number:
Invoice Recipient: APEX
Sampled By: J. STANLEWICZ

Requested Turnaround Time: ~~7 Day~~ 5 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 #:
Dissolved Metals Samples: [X] Field Filtered [ ] Lab to Filter
Orthophosphate Samples: [ ] Field Filtered [ ] Lab to Filter
PCB ONLY: SOXHLET [ ] NON SOXHLET [ ]

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	I	N
1	AP-3R FILTERED	12/29/21	1000	G	GW	U		2	1			✓	✓
2	AP-15R-BR FILTERED	↓	1330	G	GW	U		2	1			✓	✓

I: SVOC'S (SIMS FOR PAHS)
N: METALS RSR

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

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

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

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

Relinquished by: (signature)	Date/Time: 12/29/21 1535	Client Comments: BIS(2-ETHYLHEXYL) PHTHALATE NEEDS TO BE BELOW 2 ug/L
Received by: (signature)	Date/Time: 12/29/21 1535	
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:	

Detection Limit Requirements:
MA
Or DQA, CT RSR GA SWPC, RVC, I/C VC
Other:

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

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

NELAC and AIHA-LAP, LLC Accredited

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

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

Lab Comments:

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

Table of Contents

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Apex

Received By CA Date 12/19/21 Time 1535

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

Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 2.0

By Blank # ____ Actual Temp - ____

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

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

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

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

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

Were trip blanks received? F On COC? F

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	4	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic	2	8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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: Wethersfield, CT

Project Number: 21L1962

Laboratory Sample ID(s):
21L1962-01 thru 21L1962-02

Sample Date(s):
12/28/2021

List RCP Methods Used:

, , SW-846 6020B, SW-846 7470A, SW-846 8270E

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

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

Lisa A. Worthington

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

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

Printed Name: **Lisa A. Worthington** **Date:** **01/06/22**

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

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